

Final Report

### **EXPERIMENTAL INVESTIGATION OF** PLANT UPTAKE CONTAMINATION FACTORS

#### Prepared for:

OFFICE OF CIVIL DEFENSE OFFICE OF THE SECRETARY OF THE ARMY WASHINGTON, D.C. 20310

Through: TECHNICAL PLANNING AND MANAGEMENT OFFICE NAVAL RADIOLOGICAL DEFENSE LABORATORY SAN FRANCISCO, CALIFORNIA 94135

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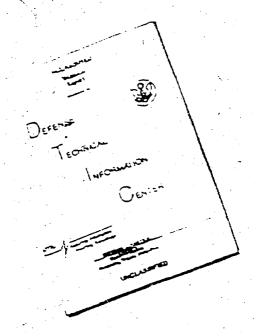


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Final Report

## EXPERIMENTAL INVESTIGATION OF PLANT UPTAKE CONTAMINATION FACTORS

By: JAMES D. SARTOR, PAMELA G. KRUZIC, WILLIAM B. LANE, and JAMES L. MACKIN

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#### ABSTRACT

The uptake of four radionuclides (Sr-85, Ru-106, Cs-137, and Ce-144) was measured for four plants (wheat, tomatoes, corn and potatoes) grown in four different soil types (sandy loam, sandy clay loam, silty clay and clay). Plants were grown in large soil containers that allowed most of the root system to develop under normal field conditions. Plant uptake contamination factors (a<sub>SU</sub>) were calculated for each sample harvested. Comparisons of the uptake for various plant part-soil-radionuclide combinations at crop maturity showed that the a<sub>SU</sub> values for Sr-85 were the largest in all instances, usually by an order of magnitude. The a<sub>SU</sub> values for the edible portion of each plant were lowest in every case, and usually the leafy portions of the plants had the largest a<sub>SU</sub> value.

Additional experiments included measurements of changes in radionuclide uptake caused by available calcium levels, growing crops in large fields, and contaminant form and solubility.

#### **PREFACE**

This report summarizes research conducted by Stanford Research Institute under Contract No. NO028867C2036. The work was performed under the sponsorship of the Office of Civil Defense through the Technical Management Office of the U.S. Naval Radiological Defense Laboratory.

The authors wish to thank the U.S. Naval Radiological Defense Laboratory for the use of their Camp Parks Test Station. We particularly wish to thank Melvin J. Nuckolls and James L. Thomas of that laboratory for their assistance and cooperation.

We also thank Mr. Robert Schultz for his efforts and cooperation in growing our field crops at the University of California Kearney Horticultural Field Station.

In addition, we wish to express our appreciation for the work of Charles Bubics of the Pleasanton Nursery who assisted in all experimental phases of the work and was responsible for the maintenance of the crops used in the experiment.

#### CONTENTS

ABSTRACT	111
PREFACE	•
SUMMARY	xii
INTRODUCTION	t
Background	
Theory	4
Objectives	
Approach	(
EXPERIMENTAL PROCEDURES	٤
Growing Facility	ç
Field Plots	11
Soils	1.
Radionuclides	14
Fallout Simulant	18
Soil Contamination	21
Crops	27
Planting Procedure	29
Plant Sampling and Analysis	30
Plant Radioactivity Assay	30
RESULTS	4:
Plant Uptake Contamination Factors	41
Computed Values of agu at Crop Maturity	41
Dependence of a <sub>SU</sub> on Exchangeable Soil Cations	45
Comparison of Soil Container and Field Experiments	51
Effect of Heat Treatment on Observed Uptake	56
CONCLUSIONS	61
Conclusions	61
Recommendations	62
REFERENCES	65
APPENDIX A - PLANT UPTAKE SUMMARY SHEETS	67

#### **ILLUSTRATIONS**

1	Layout of Soil Containers in Plant Growing Facility	12
2	Sr-85 Uptake Experiment at Kearney Horticultural Field Station, Reedley, California	13
3	Variation of Scintillation Counter Response with Total Solution Volume	38
1	Variation of a for Sr-85 with Exchangeable Calcium, Wheat-Grain, Leaves and Stalks	50
5	Comparison of Radiostrontium a Values for Samples Grown in Soil Containers and in the Field	54

#### TABLES

1	Experimental Outline	8
2	Climatological Summary	10
3	Description of Test Soils	15
4	Chemical Composition of Test Soils	16
5	Spectrographic Analysis of Test Soils	17
6	Summary of Synthetic Fallout and Contaminated Soil Activity	22
7	Summary of Fallout Simulant Preparation	24
8	Calcium Additions to Hanford Sandy Clay Loam	25
9	Botanical Classification of Crops Selected for Study	27
10	Planting Summary	28
11	Planting Procedures (Soil Containers)	29
12	Planting Procedures (Field Plots)	31
13	Planting Summary	32
14	Summary of Plant Parts Sampled	35
15	Plant Uptake Contamination Factors (a SU) at Crop Maturity, Sr-85	42
16	Plant Uptake Contamination Factors (a SU at Crop Maturity, Cs-137	43
17	Plant Uptake Contamination Factors (a ) at Crop Maturity, Ce-144 and Ru-106	44
18	Comparison of a Values by Radionuclides	46
19	Comparison of a Values by Plant Part	47
20	Comparison of Derived Constants for the Equation	
	$a_{SU} = a_{SU}^{O} \left[ Ca^{++} \right]^{-m} \dots \dots$	49
21	Effect on Plant Uptake Contamination Factor (a $_{ m SU}$ ) by Calcium Additions to Sr-85 Contaminated Hanford Sandy Clay Loam	52
22	Comparison of Plant Uptake Contamination Factors (a $_{ m SU}$ ) Obtained from Plants Grown in Soil Containers and Plants Grown Under Field	
	Conditions	<b>5</b> 3

#### TABLES - continued

23	Comparison of Sr-85 Uptake by Wheat Grown in Hanford Soil Contaminated by Synthetic Fallout Mixed into Plowlayer and	
	with Synthetic Fallout Applied to Soil Surface	57
24	Comparison of Sr-85 Uptake in Grain for Seeded Wheat (First Crop) with Volunteer Wheat (Second Crop) on Farmland Plots	57
25	Comparison of Sr-85 Uptake from Hanford Soil Contaminated by Solution Simulant and by Synthetic Fallout	58
26	Comparison of Sr-85 Uptake from Hanford Soil Contaminated with Heated Synthetic Fallout	59

#### SUMMARY

This report describes the results of experiments conducted for the purposes of evaluating the uptake of selected fission product radio-nuclides through their root systems, and for evaluating the dependence of the contamination factors on such parameters as plant type, soil type, plant age, soil nutrients, and fallout solubility. It was also necessary to correlate the measured plant uptake contamination factors with soil characteristics for subsequent application in mathematical root uptake contamination models.

The approach taken followed earlier work in which plants were grown in large containers under conditions designed to reproduce, as closely as possible, the growth of food crops under actual field conditions. In addition, during the current work, a limited number of field tests were conducted to test the hypothesis that the large containers used provided a realistic simulation of an actual environment. Primary consideration was given to the study of radiostrontium with crops also grown in Cs-137, Ru-106, and Ce-144 soil containers which were available from previous experiments. The farmland plots were contaminated only with radiostrontium. Test soils included sand, loam, and clay soils from previous work and two additional soils representing widely distributed California agricultural soils. The crops studied were wheat, tomatoes, corn, and potatoes.

Sampling started as soon as the plants sprouted and continued at frequent intervals depending on growth characteristics of the plant. Plant uptake contamination factors  $(a_{gn})$  were calculated for each of the

samples harvested. Comparisons of the uptake for various plant partsoil-radionuclide combinations at crop maturity showed that the a SU values for Sr-85 were the largest in all instances, usually by an order of magnitude. The a values for Cs-137, Ru-106, and Ce-144 showed no consistent pattern and were distributed randomly high and low among the plant part-soil combinations. The a values for the edible portion of each plant were lowest in every case, and usually the leafy portion of the plants had the largest a value. These general observations support and extend the results of previous experiments.

Only limited data were available for evaluating the effects of available calcium on radionuclide uptake but, taken with the results of previous work, supported the postulated decrease in uptake in a manner approximately inversely proportional to the exchangeable calcium concentration in the soil. These results again emphasized the generally lower uptake values observed in the work as compared to literature values. The lower values in these experiments have been attributed to the growing of crops in large containers, as opposed to values based on literature data which are reported for experiments using small pot containers. The large soil containers allowed the plant root systems to develop in a manner closer to field conditions.

To test this assumption further some field studies were conducted in which crops were grown on all test plots at two different field locations. The data were not extensive enough to confirm the validity of the large container approach but were in sufficiently good agreement to support the continuing application of the large container data to estimations of postattack food contamination levels. As part of the field studies, a limited number of additional experiments were conducted to compare measured a su values for various methods of mixing the contaminant with the soil and also to compare the results obtained by applying the contaminant in normal particle form and also as a solution. In all cases no significant differences were found.

By far the largest changes in  $a_{SU}$  values were produced when the availability of the radionuclides for uptake was reduced by thermal pretreatment of the fallout simulant. The results verified the previous reductions in  $a_{SU}$  values for wheat by as much as a factor of 10. In the present work the observations were extended to include the three additional crops of tomatoes, corn, and potatoes and similar reductions in  $a_{SU}$  values were found.

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#### INTRODUCTION

Evaluation of the biological consequences from ingesting radionuclides in foods depends first on a knowledge of the paths by which
radionuclides enter the food chains and second on the availability of
information about the uptake or assimilation processes. The two major
paths of entry into food chains of plants are: (1) foliar contamination
by deposited fallout particles followed by foliar adsorption of soluble
radionuclides, and (2) uptake of radioelements by the plants through
root assimilation. In both paths, the biological availability of a
given radioelement for uptake depends on its solubility in the aqueous
media that is in contact with the plant tissues since transfer across
plant membranes generally requires an ionic form.

The dependence of nuclide solubility on the conditions of fallout formation and the methods for relating plant contamination to gross fallout deposition levels are discussed in Reference 1; these fallout properties and the related solubility behavior of all the fission product radioelements are described in terms of a set of contour ratios that are defined as the ratio of the surface density of some property of fallout to the standard intensity in roentgens per hour at one hour. Use of the standard intensity as derived from fallout models—or from postattack monitoring data—would serve as input data for a systematic method of estimating or predicting the relative amount of each radioelement in the fallout that various food crops would assimilate.

The radiological hazard to humans and animals from food contaminated by fallout from a set of hypothetical nuclear attacks on the continental United States was evaluated in a study conducted for the Office of Civil Defense, Department of Defense, 2 using a series of computational models. 3,4,5,6 The conclusions of the study were derived from analyses of available data on direct plant-foliar contamination, the initial contamination of drinking water sources, and the uptake by plants through their root systems.

Analyses of available plant uptake data indicated that additional experiments were needed to provide root uptake contamination factors for many plants, fission product radionuclides, soil types, and plant age combinations. Experimental verification of these plant uptake contamination factors is needed to provide an improved technical basis for establishing requirements for long term postattack countermeasures and for planning future postattack research program needs on the internal contamination problem and on the cycling of radionuclides in the food chain.

#### Background

During the past two years, research efforts were initiated to obtain the required plant uptake data. This research included the establishment of experimental facilities at the U.S. Naval Radiological Defense Laboratory Test Station (Camp Parks, Pleasanton, California) for growing plants in soil containing radionuclides and conducting full scale experiments to obtain plant uptake contamination factors of five radionuclides (Sr-85, Zr-95, Ru-106, Cs-137, and Ce-144) for seven crops (wheat, beans, tomatoes, lettuce, carrots, clover, and radishes) grown in three different soil types (sand, loam, and clay).

Plants were grown in large soil containers that allowed most of the root system to develop as it would under normal field conditions. Sampling started as soon as the plants sprouted and continued at frequent

Used as a tracer for fission product Sr-90.

intervals depending upon growth characteristics of the plant. Plant uptake contamination factors were calculated for each of the harvested samples.

Comparisons of the contamination factors for the various combinations of plant parts, soils, and radionuclides showed that, at crop maturity, the contamination factors for radiostrontium were usually an order of magnitude larger than for the other radionuclides tested. The values of the contamination factors for Cs-137, Ru-106, Zr-95 and Ce-144 were approximately equal with the highest and lowest values distributed randomly among the tested plant part and soil combinations. For all radionuclides, values of the contamination factors for the edible portion of each plant were lowest.

Analysis and correlation of the measured plant uptake contamination factors revealed that the concentration of radionuclides in plant parts and the concentration of available calcium in the test soils were related as predicted by a mathematical model which took the form

$$a_{SU} \approx a_{SU}^{0} \left[ Ca^{++} \right]^{-m}$$
 where  $a_{SU}^{0}$  and m are empirical constants and  $\left[ Ca^{++} \right]$ 

is a measure of the calcium concentration in the soil. Constants for the equation were derived for each plant part-soil-radionuclide combination, and the derived a values were found to be in disagreement with those reported in Reference 7. It was noted, however, that the literature values reported in Reference 7 were computed on the basis of experiments in which plants had been grown in small containers where the root systems were contained in contaminated soil throughout the growth period. This situation was avoided in the current series of experiments by growing plants in large soil containers, with a "plow layer" of contaminated soil, which allowed the root system to develop beyond this layer. As a result

of this more realistic simulation, the derived  $\mathbf{a}_{SU}$  values were lower, some by a factor of 10, than those measured for plants grown in small containers.

The analysis of the data indicated that further experiments should be conducted to measure additional plant-soil-radionuclide combinations and to supplement the experiments using a soil with a high calcium content. The extension of the work to field experiments involving the actual contamination of farmland, followed by normal cultivation practices, was also recommended for the purpose of verifying the uptake factors obtained in the large size containers.

#### Theory

Major factors that influence the uptake of radionuclides by plants through their root systems are:

- 1. Physicochemical properties of the ions of the radioelement
- 2. Plant species
- 3. Soil type and physical-chemical characteristics
- 4. Soil management practices

Assimilation of nutrients or inorganic ions by roots of plants usually involves soluble, exchangeable ions in the native soil. When foreign ions, for example, from a mineral fertilizer are introduced into the soil, they compete with and replace the native soil ions on available exchange sites in the soil. In some reactions with the soil, the new ions become non-exchangeable and, to the extent that these reactions occur in a soil, some portion of the new ion becomes unavailable for uptake. Thus, in the case of fallout particles, it would be expected that the types of interactions between soluble radionuclides and soil constituents would determine the availability of the radionuclides for uptake from the soil.

Soil management practices include the addition of organic matter, mineral fertilizers, and amendments (such as lime) to the soil, plus various cultivation techniques. These practices influence the chemical composition of the plant.

Since the availability of a given radioelement for uptake from soil is generally related to the concentration of the exchangeable portion of the radioelement in soil, the foliage or plant part contamination factor is conveniently defined in terms of its concentration in soil. Thus, the plant part soil uptake contour ratio,  $UN_{\frac{1}{4}}^{0}$ , as given in Reference 5, is

$$UN_{i}^{O} = N_{i}^{O} (1-a_{L}^{W}L) \quad a_{SU}^{W} p^{\rho}D \quad \frac{\text{atoms per plant part}}{\text{square foot of soil area}}$$
 (1)

in which

- is the number of soluble atoms per square foot of "open field" area of the ith nuclide corrected to detonation time.
- a SU is the plant uptake contamination factor, in atoms of ith nuclide in plant part (atoms per gram of dry plant part) divided by the atoms of ith nuclide in soil (atoms per gram of soil).
- is the surface density of the plant part, in grams of dry plant part per square foot of soil area,
- is the foliage contamination factor in atoms per gram of dry foliage divided by the number of atoms per square foot of soil area,
- $\mathbf{w}_{\mathbf{L}}$  is the foliage surface density in grams of dry foliage per square foot of soil area,
- $\boldsymbol{\rho}$  is the bulk density of the soil, in grams per cubic foot, and
  - D is the depth of plowing in feet.

The term (1-a w ) is the fraction of N<sup>O</sup> that is deposited on the soil; on bare soil, w is zero. The surface deposit density,  $(1-a_L^w_L)N^O_i$ 

divided by D gives the effective concentration of the soluble radionuclide per gram of soil. The fraction of a radionuclide taken up by a plant part is given by a  $_{\rm SU}$   $_{\rm D}^{\rm w}/\rho D$ .

The plant uptake contamination factor,  $a_{SU}$ , depends on the various chemical equilibrium and exchange processes among the soil minerals, roots, and plant tissues. These experiments were concerned with the measurements of  $a_{SU}$ .

#### Objectives

The objectives of this study were to:

- Measure experimentally the uptake of fission product radionuclides by plants through their root systems and to evaluate the dependence of the contamination factors on such parameters as plant type, soil type, plant age, soil nutrients, and fallout solubility.
- 2. Correlate the measured plant uptake contamination factors with radionuclide soil characteristics for application in mathematical root uptake contamination models.

#### Approach

The physical properties of particle size and deposited mass level for the simulant were determined from the fallout models developed by Miller.¹ These models provide a means of estimating fallout particle size and deposited mass levels as functions of weapon yield, dose rate, and downwind distance. Clark has presented these relationships in a form readily applicable for use in the design of realistic experiments using fallout simulants. For the present experiment, a deposited mass level of 24 grams per square foot and a particle size range of 88 to 177 microns were chosen. These values have been calculated for a fallout

face detonation. The experimental procedures were designed to reproduce, as closely as possible, the growth of food crops under actual field conditions. In this experiment, as in previous work, the selected crops were planted in cubic yard soil containers. Crops were also planted in plots of contaminated farmland and grown under actual field conditions to test the hypothesis that the large containers provide realistic simulation of an actual field environment.

In the present experiment, primary consideration was given to the study of radiostrontium, the importance of which was demonstrated in the previous work, where a values were usually an order of magnitude greater than those obtained for other radionuclides. Crops were also grown in the Cs-137, Ru-106, and Ce-144 soil containers which were available from the previous experiment. The farmland plots were contaminated only with radiostrontium.

Additional tests were conducted with thermally treated synthetic fallout since previous work had indicated that such treatment resulted in a reduced uptake of radiostrontium.

The three soils (sand, loam, and clay) were used again, along with two widely distributed agricultural soils in California. The two new soils, a Hanford sandy clay loam and a Yolo loam, were obtained from University of California field test stations. A few tests were conducted with soil from the Camp Parks area. Test soils with a range of calcium concentrations were prepared by adding gypsum to Hanford sandy clay loam. Crops studied in this experiment included wheat and tomatoes which were included in the previous experiment and two additional crops (corn and potatoes which are important food what the U.S. diet).

Table 1 outlines the crops, radionuclides, and soils studied.

Details of the experimental approach and experimental procedures are further described in the following section.

Table 1

EXPERIMENTAL OUTLINE

	Common	
Family	Name	Plant Parts
Gramineae	Wheat	Shoot, stalks, leaves, heads, grain, * chaff
Solanaceae	Tomato	Roots, stems, leaves, flower, fruit, peel, meat
Gramineae	Corn	Shoot, stalks, leaves, grain
Solanaceae	Potato	Roots, stalks, leaves, tuber, peel, meat

#### Radionuclides

Isotope	Half-Life
Sr <b>-8</b> 5	54 days
Cs-137	30 years
Ru-106	1.06 years
Ce-144	285 days

#### Soil Types

Oakley sandy loam
Hanford sandy clay loam
Yolo silty clay
Pleasanton loam
Clear Lake clay
Camp Parks clay

<sup>\*</sup> Plant part underlined indicates the primary part from the standpoint of human ingestion.

#### EXPERIMENTAL PROCEDURES

Through the auspices of the sponsoring agency, the Office of Civil Defense, the U.S. Naval Radiological Defense Laboratory (USNRDL) made available its test facilities located at Camp Parks, near Pleasanton, California. These facilities include hot-cells for handling curie amounts of radioisotopes, and large land areas with controlled access. In addition, the University of California made available a plot of farmland at their Kearney Horticultural Field Station, Reedley, California, for the growing of crops under open field conditions.

#### Growing Facility

A 100 x 100-foot paved test area, enclosed with an eight-foot high solid board fence served as a growing facility for the root-uptake experiment. Electrical power, water, and lights were conveniently located within the area. A covered work space for plant handling and soil processing filled the west side. Laboratory bench tops and a sink that drained to a large stainless steel holding tank were provided for processing harvested plants. A large oven for drying the plants was located in the work area.

Climatological measurements in the plant growing facility during the experiment included: (1) a continuous recording of the temperature and humidity with a U.S. Weather Bureau recording hydrothermograph exposed in a standard instrument shelter, and (2) a measure of precipitation with a standard U.S. Weather Bureau rain and snow gauge.

The recorded rainfall, maximum and minimum temperatures, and relative humidity over the time span of the experiment are summarized in Table 2.

Table 2

CLIMATOLOGICAL SUMMARY

Pleasanton, California Latitude: 37.39N Longitude: 121.53W

								Percent	
			Temperature in Degrees F	egrees F			Rel	Relative Humidity	idity
Date	Monthly		Averages	Extremes	ene s	Precipitation	De	Daily Averages	ges
1967	Mean	Daily Minimum	Minimum Daily Maximum	Minimum	Maximum	in Inches	6 а.п.	12 p.m. 8 p.m.	8 p.m.
April	49.6°	36.00	60.80	34.80	64.60	1.97	78.6%	35.2%	66.8%
May	61.5	48.4	74.8	38.4	95.2	0.21	82.4	36.0	63.0
June	62.8	52.0	75.1	44.2	96.1	0.27	79.5	38.8	63.0
July	71.6	55.6	85.0	48.6	102.4	00.0	8.97	29.5	52.8
August	72.0	56.1	87.9	50.8	100.7	0.00	79.9	25.2	41.7

Redwood boxes, three feet on a side (scil surface area of 7.3 square feet) served as soil containers. Each box contained about one cubic yard of soil and the three-foot depth allowed the root system of most of the crops to develop in a manner similar to that expected under normal field conditions (at least during the seedlings' early growth stages). The arrangement of the boxes within the test facility is shown by Figure 1. Four factors determined the box arrangement: (1) boxes containing the same radionuclide were kept together to prevent cross contamination among different radionuclides; (2) similar crops within each row were placed adjacent to each other to facilitate planting and maintenance; (3) a 10-foot aisle between rows was provided for moving boxes with a fork lift; and (4) boxes were placed to minimize the effect of the shadow line of fences.

Polyethylene sheeting lined the inside of each box, except the bottom, to prevent evaporation through the seams in the sides of the box. A 4-inch layer of pea gravel in the bottom of the boxes facilitated drainage of excess irrigation water. Galvanized trays were positioned beneath each box to catch this water.

#### Field Plots

Extension of the experiments to growing crops in contaminated plots of farmland was carried out at two locations, Camp Parks and the University of California Kearney Horticultural Field Station, Reedley, California. At both locations, the land areas were enclosed by a 6-foot high exclusion fence.

The layout of the farmland area utilized at the Kearney Horticultural Field Station is given in Figure 2. Four 25'  $\times$  45' plots were constructed. Each plot was surrounded by a one foot high berm and a 15'  $\times$  25' area inside the berm was contaminated with the Sr-85 fallout simulant. At Camp Parks, a single 25'  $\times$  45' plot was utilized.

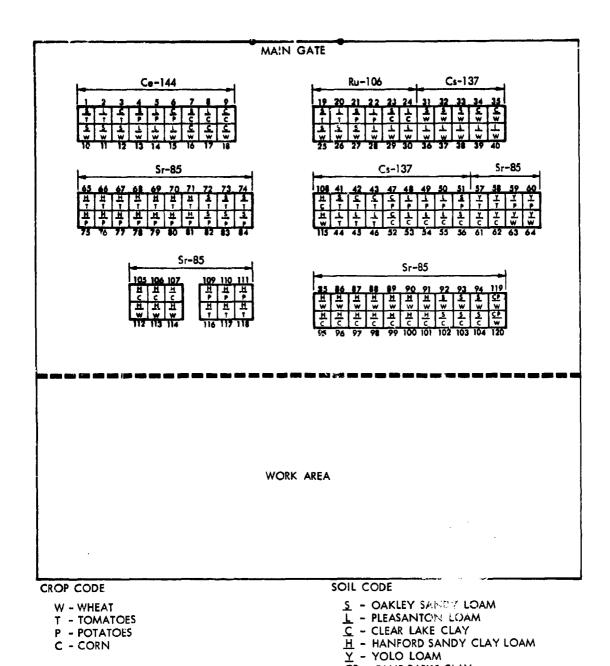


FIGURE 1 LAYOUT OF SOIL CONTAINERS IN PLANT GROWING FACILITY

CP - CAMP PARKS CLAY

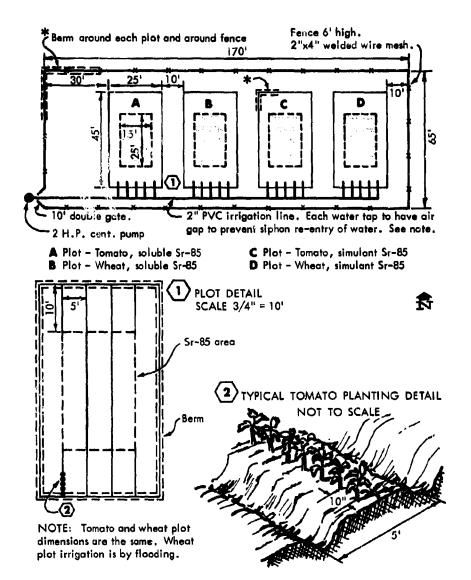


FIGURE 2 Sr-85 UPTAKE EXPERIMENT AT KEARNY HORTICULTURAL FIELD STATION, REEDLEY, CALIFORNIA

#### Soils

Soils selected for this study included the three test soils used in the previous plant uptake experiment<sup>8</sup> and two additional soils representative of agricultural soils found in California. The two additional soils, a Hanford sandy clay loam and a Yolo loam, were obtained from University of California field test stations.

Sufficient stocks of the previously used soils were on hand at Camp Parks, and sixty tons of each of the new soils were provided by random shoveling the top 8 inches from the surface at each site and trucking it to the plant growing facility.

Each redwood box was filled with a selected soil to within 10 inches of the top. Four hundred and fifty pounds of the same soil was then barreled and reserved for later addition as an 8-inch plow layer of radio-active soil. The soil was tamped and moistened during the filling process to approximate its original field compactness.

Table 3 lists a description of the test soils and where each was obtained. Samples of each soil were sent to commercial soil testing laboratories for chemical analysis. Tables 4 and 5 list the results of these analyses.

#### Radionuclides

strontium-90, because of its relatively long half-life of 28 years and its appreciable yield in the fission process, accounts for a considerable fraction of the total activity of fission products that are several years old. Strontium and calcium are divalent alkaline earth elements, and since calcium is essential to plant life, strontium competes with it for entry into the root system of plants. Not all calcium in soil is available for uptake through the root system because some natural calcium compounds in soil are insoluble and are not available as plant food until

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DESCRIPTION OF TEST SOILS

Organic Material†	(percent)	0.15%	2.15	1.75	0.59	1.98	1.83
	Clay	8.1%	24.7	55.7	21.8	47.4	52.0
Mechanical Analysis Size Classes in Percent	Silt	18.4%	45.5	25.3	28.6	42.7	20.6
Mechan Siza	Sand	73.5%	29.8	19.0	49.6	6.6	27.3
Soil	Texture*	Sandy loam	Loam	Clay	Sandy Clay Lcam	Silty Clay	Clay
Soil	Series	Oakley	Pleas- anton	Clear Lake	Hanford	Yolo	Camp Parks
	Location	California: Contra Costa County, 2 miles west of Antioch	California: Alameda County, 1 mile north of Pleasanton	California: Alameda County, 3 miles north of Livermore	California: Yolo County, Univ. of Cal. Davis Field Station, Davis	California: Fresno County, Univ. of Cal. Kearney Hor- ticultural Field Station, Reedley	California: Alameda County, Camp Parks, Pleasanton
Soil	Number	1	81	ო	4	ស	ø

As described by U.S. Survey Textural Classification Triangle.

<sup>†</sup> Analysis performed by Nelson Laboratories, 1145 West Fremont Street, Stockton, California.

CHEMICAL COMPOSITION OF TEST SOILS

	3	Oakley Sandy Loum	Louis	Pleasanton Loam	loss.	Camp Par	ks Clay	Clear Lake Clay	e Clay	Yolo Silty Clay	ty Clay	Banford Loss	Loss
	00	SRI*	UCB÷	SRI	8	SRI	SRI UCB	SRI		33		ij.	8
pH - soil paste	8.8	6.8 (6.7)	6.3	(6.85)	6.41	7.15	7.45	(7.5)	6.7	6.92	6.72	1.0	6.42
Cation exchange capacity (meq/100 gms)	5.0	(4.25)	5.43	(12.72)	14.42	29.7	32.25	(38.75) 44.96	4.96	23.0	24.81	8.	5. 8.
Soluile Sat. Ext. (ppm) Chlorides Boron Carbomates Bicarbumates	16.0 ( 0.53 ( nome	16.0 (38.1) 0.53 (0.18) none trace 61.		(123.) (1.06) trace (3.4)		122. 0.55 trace 176.		(26.7) (0.46) trace (4.37)		16.3 0.75 none 47.		14.0 0.79 Bone 107.	
Scluble: Calcium (meq/100gms) Magnesium Sodium	0.00	(2.5)‡ (1.75) (1.21)	0.10 0.05 0.01	(3.98) (4.1) (10.26)	0.25 0.32 0.39	0.14 0.10 0.29	0.22 0.16 0.17	(0.62) (0.60) (5.04)	0.03 0.07 0.35	0.05 0.07 0.06	0.07 0.14 0.04	0.03	0.0 20.0 10.0
Exchangeable: Calcium (meq/100 gms) Magnesium Sodium Petassium Amendium Strontium	3.04 1.66 0.12 0.127	(3.2) (1.55) (0.12) (0.09)	2.79 1.64 0.059 0.087	(9.66) (5.29) (0.50) (0.31) (0.10)	7.80 4.46 0.54 0.41		18.47 9.56 0.54 0.45	(19.11) (24.86) ( 2.02) ( 0.475) ( 0.04)	23.30 2.56 0.478 0.147	10.00 12.67 0.49 1.71 0.20	10.13 12.36 0.17 0.96	0.45 0.10 0.15 0.05 0.06	3.31 0.90 0.045 0.14
Electrical conductivity (mmhos/cm)	4.0	(0.56)		(1.8)		0.81		(0:26)		0.4		9.	

\* Analysis performed by Nelson Laboratories, 1145 West Fremont Street, Stockton, California, 1967; the values in ( ) were reported in 1966.
† Analysis performed by University of California at Berkeley, Soil Science Department, 1967.
† Soluble Ca, Mg, and Na values were reported in me/liter by Nelson Labs in 1966.

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Table 5

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SPECTROGRAPHIC ANALYSIS OF TEST SOILS\*

	5	0.025 0.03 0.02 0.002 0.07	Ва	0.08 0.00 0.00 0.00 0.00 0.00
	Mg	2.25 4.00 2.75 0.85 1.25	S.	0.002 0.002 0.002 0.002 0.002
ide	Fe	3.50 4.00 4.00 2.50 7.50 4.00	Sr	0.05 0.015 0.03 0.05 0.05
Weight Percent of Element as Oxide	ų,	0.07 0.10 0.15 0.04 0.08	00	0.001
t of Elem	ri	0.50 0.70 0.80 0.50 0.60	Ni	0.005 0.02 0.01 0.002 0.004
nt Percen	×	2.50 3.00 1.50 4.00 1.50	Zr	0.015 0.010 0.015 0.03 0.03
Weig	Na	2.75 2.50 2.25 3.00 1.00	Ca	3.00 1.50 2.00 3.50 1.00
	VI	15.00 15.00 15.00 15.00 12.50	Cu	0.003 0.008 0.015 0.002 0.01
	Si	70.24 69.01 71.35 70.47 72.84	>	0.008 0.015 0.02 0.007 0.015
ָרָנָּיטָ. בּיָּיטָ	Texture	Sandy loam Loam Clay Sandy clay loam Silty clay	Texture	Sandy loam Loam Clay Sandy clay loam Silty clay Clay
	No.	<b>⊣</b> 20 20 4 10 20	Soil No.	1464 59

\* Analysis performed by American Spectrographic Laboratories, Inc., 557 Minna Street, San Francisco, California.

they have been converted into soluble compounds. For this reason, it is desirable to relate the uptake of Sr-90 to the exchangeable calcium content of soils. It was assumed that plants cannot discriminate among the different isotopes of a chemical element. For this reason, and because of the desire to analyze the radioactivity in the plant samples by means of counting gamma activity, the isotope strontium-85 was used as a tracer for the radiostrontium to take advantage of counting the gamma activity of its 0.51 mev photon.

Cesium-137 has a radioactive half-life of 30 years and is of particular interest in fallout that is more than a year old because cesium is the principal constituent whose radioactive decay is accompanied by the emission of gamma rays. The chemical properties of cesium resemble those of potassium, another essential element in the nutrition of plants.

#### Fallout Simulant

Fallout particles from a land surface nuclear explosion consist of fused, sintered, and unaltered grains of soil minerals and other materials present at the point of detonation. Analysis of fallout particles from surface and near-surface detonations at weapons tests in both Eniwetok Proving Ground and the Nevada Test Site have shown that radioactive elements are located within the interior of the fused and sintered particles and deposited on the surface of all three types of particles.

The fallout formation process consists of two distinct periods. In the first period, the condensation of volatile radioelements occurs by deposition onto and diffusion into large molten (soil) particles and by agglomeration of smaller particles. The radioelements thus condensed become fused within the volumes of the molten particles when they cool and solidify. In the second period, the remaining volatile radioelements condense onto the surface of relatively cool or solid particles. The fraction of a radioelement that condenses during the second period of

formation is partially soluble and therefore potentially available for biological assimilation in plants. Radionuclides in worldwide fallout are known to be quite soluble; but only limited data exist on nuclide solubility of local fallout. Because of the general lack of reliable solubility data for local fallout, approximate methods were developed for estimating the potential solubility of the various radioelements carried by fallout particles. Studies to measure solubility and thus improve the input data for the solubility model are in progress. 10.11.12

The basic fallout simulant employed in this study consisted of radionuclides adsorbed on the surface of sized mineral particles. The adsorption process simulates the second period of the fallout formation process,
making the adsorbed radionuclides potentially available for uptake. The
radionuclides were adsorbed on the particles from carrier solutions containing stable atoms of the major fission product elements. Sufficient
activity was added to ensure measurable counting rates in the harvested
plant samples.

Albite, a widely distributed variety of feldspar, was used as the mineral matrix on which the strontium was adsorbed. The albite was crushed, pulverized, and sieved to obtain particles in the 88-175 micron diameter size range. Magnetic separation removed the ferrous material that was introduced during the crushing and pulverizing operation.

The Sr-85 for this experiment was produced by neutron irradiation. A total of 0.073 grams of enriched  $Sr(NO_3)_2$  was purchased from Oak Ridge National Laboratory. The enrichment in Sr-84 was given as 83.3 percent of total strontium and on this basis it was estimated that the compound contained 1.77 x  $10^{20}$  atoms of Sr-84. The compound was sealed in a quartz capsule and delivered to the General Electric Company, Vallecitos, California, for insertion in the GETR.\* The capsule was irradiated in a

<sup>\*</sup> General Electric Test Reactor.

neutron flux of approximately  $4 \times 10^{14}$  neutrons .cm<sup>-2</sup> .sec<sup>-1</sup> for one cycle (one month).

The quartz vial containing the strontium nitrate was opened in the Camp Parks hot cell, dissolved in approximately 250 ml. of IN HNO<sub>3</sub>. An aliquot of the solution was assayed in the 4-pi ionization chamber and gave 2.10 mc/ml at 1000, 24 May 1967, or a total activity of approximately 525 mc Sr<sup>85</sup>. Decayed to the time of reactor shut-down, this would indicate a total production of approximately 590 mc.

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On May 25, 1967, the solution was taken to dryness and then taken up in 200 ml. of IN HC &. An assay of the solution gave 2.49 mc/ml at 1015 May 25, 1967, or a total of 499 mc. This solution was used for the preparation of a number of batches of synthetic fallout as described in the following paragraphs:

- 1. A portion of sized albite of about 2-5 kilograms was poured into a twin shell blender\* which had been modified to include a copper tube spray nozzle which could be inserted through a hole drilled in one of the bearing supports.
- 2. As the blender rotated, a measured aliquot of carrier solution containing one of the nuclides of interest was transferred by air pressure through plastic tubing connected to the spray nozzle. The transfer lines were then rinsed with two aliquots of wash solution which were also sprayed into the blender.
- 3. Following thorough mixing of the liquid and mineral, a mild stream of warm air was introduced via the spray nozzle. The drying operation was assisted by the use of an infra-red heat lamp directed onto the surfaces of the rotating blender.

<sup>\*</sup> Manufactured by Patterson & Kelley Co., East Stroudsburg, Pennsylvania.

- 4. After drying, 175-gram portions of the fallout simulant were poured into tared plastic containers. Between portions, a small aliquot of about 1-2 grams was placed in test tubes for later assay in a gamma ionization chamber.
- 5. The 175-gram lots were finally placed in a lead shielded container and transferred to the plant growing facility for mixing with the test soils.

One exception to the above 'rocedure consisted of a relatively large batch of simulant which was prepared for the field plantings. This batch was prepared in a small concrete mixer which had been modified to include a cover through which the spray nozzle could be inserted. Approximately 32,000 grams (70.5 pounds) of albite were placed in the mixer and sprayed with Sr<sup>85</sup> solution containing approximately 133 mc total activity. Two 100 ml. rinses were added and the mixture was tumbled until dry. A summary of the strontium tagged synthetic fallout data is presented in Table 6 along with the re-assay values for the previously used Ce-144, Ru-106, and Cs-137. The indicated values are decay corrected to the date of planting. Table 6 also includes assay data for three batches of synthetic fallout which had been heated to successively higher temperatures of 880, 1027, and 1071°C.

#### Soil Contamination

Soluble radicelements from fallout contaminated soil are made available for uptake by (1) surface penetration with rain water or natural erosion processes, and (2) mechanical mixing into the soil by cultivation processes. It has been demonstrated 13,14,15 that fallout particles deposited on open land areas are not susceptible to any large degree of redistribution by wind and rain and, after several years of weathering, still are retained within the top 1/4 to 1/2 inch of surface soil. The

Table 6
SUMMARY OF SYNTHETIC FALLOUT AND CONTAMINATED SOIL ACTIVITY

Radio- nuclide	Soil Type	Planting Date	Synthetic Fallout Activity on Planting Date (d/s/gm)	Soil Activity (d/s/gm)
Ce-144	Oakley Sandy Loam Pleasanton Loam Clear Lake Clay	April 20	5.39 x 10 <sup>5</sup>	4.72 x 10 <sup>2</sup> 4.81 x 10 <sup>2</sup> 4.68 x 10 <sup>2</sup>
Ru-106	Oakley Sandy Loam Pleasanton Loam	April 20	2.33 x 10 <sup>5</sup>	$2.06 \times 10^{2}$ $2.10 \times 10^{2}$
Cs-137	Oakley Sandy Loam Pleasanton Loam Clear Lake Clay Hanford Sandy Clay I	April 25	2.07 x 10 <sup>6</sup> " 1.62 x 10 <sup>6</sup>	1.84 x 10 <sup>3</sup> 1.86 x 10 <sup>3</sup> 1.79 x 10 <sup>3</sup> 1.42 x 10 <sup>3</sup>
Sr~85	Oakley Sandy Loam Yolo Silty Clay Camp Parks Clay Hanford Sandy Clay I Hanford Loam + Ca Hanford Loam + T1* Hanford Loam + T2 Hanford Loam + T3 Camp Parks Field Hanford at Reedley	June 2 June 14 June 19 June 5 June 14 June 14 June 14 June 19 June 28	4.56 x 10 <sup>5</sup> 3.56 x 10 <sup>5</sup> 3.32 x 10 <sup>5</sup> 5.09 x 10 <sup>5</sup> 3.50 x 10 <sup>5</sup> 4.14 x 10 <sup>5</sup> 4.29 x 10 <sup>5</sup> 4.29 x 10 <sup>5</sup> 1.51 x 10 <sup>5</sup> 1.31 x 10 <sup>5</sup>	4.01 x 10 <sup>2</sup> 3.27 x 10 <sup>2</sup> 3.00 x 10 <sup>2</sup> 4.47 x 10 <sup>2</sup> 3.08 x 10 <sup>2</sup> 3.60 x 10 <sup>2</sup> 3.73 x 10 <sup>2</sup> 3.73 x 10 <sup>2</sup> 1.81 x 10 <sup>2</sup> 1.15 x 10 <sup>2</sup>

<sup>\*</sup> T1, T2, and T3 indicate three temperature levels (880°, 1027°, and 1071°C) to which synthetic fallout was heated before mixing in soil.

soluble radicelements that leach from deposited fallout particles from either local or world-wide fallout, penetrate no more than 2 to 3 inches, even after eight years. 16 Mixing the fallout with the soil to the depth of cultivation is, therefore, the principal method by which radioelements from fallout would penetrate into the seed-bed.

As plowing is probably the most extensive form of cultivation, many experiments have been directed to a study of the effectiveness of various depths of plowing in reducing surface fallout levels. In most cases, little advantage was found for plowing to a depth greater than 6 to 8 inches. To simulate the mixing of fallout particles to this depth of cultivation, the fallout simulants prepared in this experiment were thoroughly mixed with the top eight-inch layer of soil in each container. This was accomplished by placing 450 pounds of a particular soil type into a modified concrete mixer and adding 175 grams of tagged particles (synthetic fallout). Twenty minutes of mixing was adequate to thoroughly blend the tagged particles with the soil. The contaminated soil was then dumped into hoppers and transferred to a partially filled soil was then dumped into place to simulate an 8-inch depth of cultivation or plow-layer. Table 7 summarizes the fallout simulant batches and lists the number of contaminated growing boxes which were prepared.

In addition to the naturally occurring exchangeable calcium in the native soils, higher calcium concentrations were obtained by adding an agricultural gypsum\* to the plow-layer (450 pounds) of Hanford sandy clay loam. The measured exchangeable calcium content of 3.45 meq per 100 grams of native soil was adjusted with gypsum by the additions noted in Table 8. The measured amount of agricultural gypsum for each addition was added to the soil along with fallout simulant in the rotating concrete mixer to ensure blending.

<sup>\*</sup> Chemical form; calcium sulfate dihydrate, CaSO4.2H20.

Table 7
SUMMARY OF FALLOUT SIMULANT PREPARATION

Date		Albite Particles	Number of			
Simulant			Soil Boxes Prepared			
Prepared	Radionuclide	(grams)	Sand	Loam	Clay	Total
July 2, 1965*	Ce <b>-144</b>	3685	6	6	6	18
July 7, 1965*	Ru-106	2400	6	6	0	12
July 14, 1965*	Cs-137	5200	6	14	6	26
May 25, 1967	Cs-137	1520	0	2	0	2
May 26, 1967	Sr-85	3400	12	0	0	12
May 31, 1967	Sr <b>-8</b> 5	3400	0	12	0	12
June 2, 1967	Sr-85	3400	0	16	0	16
June 13, 1967	Sr-85	1850	0	8	2	10
June 14, 1967	Sr-85	2800	0	12	0	12
June 16, 1967	Sr-85	32,000		Field	Field	
Total						120

<sup>\*</sup> Soil boxes replanted; fallout aliquots reassayed.

Table 8

CALCIUM ADDITIONS TO HANFORD SANDY CLAY LOAM

	Вох	Additional Calcium		Agricultural Gypsum*
Crop	Number	(percent)	(grams)	(grams)
Tomato	6 <b>9</b>	50%	65.4	290
TOMASSO	70	100	130.8	580
	71	200	261.6	1158
	68	300	392.4	1738
Potato	79	50	65.4	290
	80	100	130.8	580
	81	200	261.6	1158
	78	300	392.4	1738
Wheat	89	50	65.4	290
	90	100	130.8	580
	91	200	261.6	1158
	88	300	392.4	1738
Corn	99	50	65.4	290
00214	100	100	130.8	580
	101	200	261.6	1158
	98	300	392.4	1738

<sup>\*</sup> Molecular weight of CaSO<sub>4</sub>.2H<sub>2</sub>O = 172.17 grams, 97% purity.

A commercial fertilizer (Loamite) with a fertilizer ratio\* of 2-6-2 was also added to the rotating concrete mixer. Since the recommended rate of application for the crops and soils used was 750 pounds per acre, 0.125 pound was added for the 7.3 square foot soil surface in each box.

Contamination of the farmland plots at the Kearney Field Station and at Camp Parks was accomplished by dispersing the fallout simulant from a handpulled garden fertilizer spreader. An aluminum angle frame was used as guide rails for the spreader, and careful positioning of the frame for each swath ensured a uniform and complete deposition. A total of 14,130 grams (31.1 pounds) of the material was spread on the Camp Parks farm area over a measured plot of 20 x 22 foot dimensions. The spreading took place on June 19, 1967, and ion chamber assay of counting aliquots gave 4.07 µc/gram as of 0930 on June 19, 1967. Planting took place on the same date. A small amount (130 grams) of fallout remained after spreading so that the final deposition was 14,000 grams per (20 x 22) square feet times 4.07 µc/gram to give 129.5 µc per square foot at a surface density of 31.8 grams per square foot.

The remaining dry fallout (weighed at 41.9 pounds or 19,022.6 grams) was dispersed over two plots at the U.C. Agricultural Station, Reedley, California, on June 27, 1967. The contaminated areas were 15'7" x 25' and 15'8" x 25' for a total of 781.25 square feet. Following dispersal, the residual fallout was weighed at 286.5 grams to give a total surface density of 23.98 grams per square foot. The assay was 4.07  $\mu$ c/gram as of 0930 on June 19, 1967.

<sup>\*</sup> Fertilizer ratio is the proportion of the three principal nutrients in a mixed fertilizer; namely, phosphoric acid, nitrogen, and potash.

# Crops

The crops studied in this experiment included two analyzed in the previous plant uptake experiment, wheat and tomatoes and two additional crops, corn and potatoes, which are also important food crops in the U.S. diet. Table 9 presents the botanical classification of the selected crops. The variety with respect to human diet includes a grain crop (wheat), a vegetable crop (tomato), a root crop (potato), and a grain and animal fodder crop (corn). At planting time, the top 2-inch layer of soil in each box was cultivated to provide suitable conditions for seed germination. The surface of the clay and loam soils which became abnormally hard and cracked when dry, was treated with an organic humus which was mixed into the top 2-inch layer of soil. Table 10 presents a planting summary listing all boxes planted, the radionuclide, and the date of planting.

Table 9

BOTANICAL CLASSIFICATION OF CROPS SELECTED FOR STUDY

Common Name	Family	Species	Variety
Wheat	Gramineae	Tricticum aestivum	Ramona 50
Tomato	Solanaceae	Lycopersicon esculentum	Early Pack No. 7
Potato	Solanaceae	Solanum Tuberosum	White Rose
Corn	Gramineae	Zea Mays	Sweet

Source: Manual of Cultivated Plants, L. Bailey, MacMillan, 1961.

Table 10
PLANTING SUMMARY

Radio- nuclide	Box Numbers	Planting Date	Day of the Year
Ce-144	1 through 18	April 20	110
Ru-106	19 through 30	April 20	110
Cs-137	31 through 56	April 25	115
Cs-137	108 and 115	June 14	165
Sr-85	72 through 77 82 through 87 92 through 97 102, 103, and 104	June 2	153
Sr-85	68 through 71 78 through 81 88 through 91 98 through 101	June 5	156
Sr-85	57 through 67 105 through 118*	June 14	165
Sr-85	119 and 120 Camp Parks field 201 through 205	June 19	170
Sr- <b>8</b> 5	Reedley field 301 through 304 306 through 308 310 through 313 315 through 317	June 28	179

<sup>\*</sup> Boxes 108 and 115 contain soils contaminated with Cs-137.

# Planting Procedure

The procedures for planting in the soil containers were chosen to allow the crops to grow as near actual field conditions as possible.

Depth of planting, row spacing, crop density, and growth characteristics were determined after consulting with personnel from the College of Agriculture, University of California, Davis, California. Table 11 lists these factors for each of the crops planted.

Certified seeds of each crop were obtained to ensure trueness to type and to eliminate the possibility of seed-borne diseases. The Agricultural Experiment Station, University of California College of Agriculture, Davis, California, provided certified seeds of field crops (wheat and potatoes), and Ferry-Morse Seed Company, Mountain View, California, provided certified seeds of vegetable crops (tomatoes and corn). Sufficient quantities of each type of seed were obtained to allow successive plantings.

Table 11

PLANTING PROCEDURES IN SOIL CONTAINERS

Crop	Depth of Planting (inches)	Number of Rows	Row Spacing (inches)	Thinned Plant Spacing (inches)
Wheat	1-1/2	5	6	2
Tomatoes	1	2	12	4 plants/box
Potatoes	4	2	12	4 plants/box
Corn	2	2	12	12

A commercial nursery\* provided the routine care required to ensure proper growth of the plants. This included watering, cultivating, fertilizing, and spraying for insect control as required.

Table 12 summarizes the crops planted at the two farmland locations. As indicated earlier, wheat was planted at both locations. Additional crops consisted of tomatoes at the Kearney Field Station and corn at Camp Parks. The wheat at both locations was hand broadcast and then raked into the surface layer of soil, and the tomatoes were transplanted at the Kearney Field station from seed flats of the Hanford sandy clay loam. The tomatoes were approximately two weeks old at the time they were transplanted.

# Plant Sampling and Analysis

The soil boxes and field plots were assigned a number to identify with a crop-soil-radionuclide combination. A summary of the various combinations is presented in Table 13. With the assigned number as the prefix, successive samples from each area were numbered serially by adding two digits. Thus, sample 104 indicated the fourth sample from box number 1; sample 11518 indicated the 18th sample from box number 115.

Plant sampling started soon after the plants emerged from the ground and continued at frequent intervals thereafter (at least seven days between samples), depending on the growth characteristics of the plant. The frequent sampling facilitated the thinning process that is usually required. When the plants were thinned to the desired spacings, sampling intervals were lengthened to ensure sufficient samples at harvest time. Sampling procedures depended on the type and age of the plant. Table 14 summarizes the plant parts sampled at each stage of growth. In the early stages, the whole plant was sampled; however, when the root system

Pleasanton Nursery, 3654 South Rita Road, Pleasanton, California.

Table 12

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PLANTING PROCEDURE IN FIELD PLOTS

Plant Spacing (inches)			12		
Row Spacing (inches)			09		
Number of Rows		broadcast	ო	broadcast	ស
Planting Depth (inches)		1/2	Ø	1/2	8
Planting Date		170	170	179	179
Plot Number		201 through 204	205	301 through 304 310 through 313	305 through 309 314 through 318
Crop		Wheat	Corn	Wheat	Tomatoes
Location	Camp Parks	Field		Kearney Field	

Table 13
PLANTING SUMMARY

	Ce-144			Cs-137	
Вох	00-1-1		Вож		
Number	Crop	Soil	Number	Crop	Soil
			31	Wheat	Oakley
1	Tomato	Oakley	32	Wheat	Oakley
2	Tomato	Pleasanton	33	Wheat	Oakley
3	Tomato	Clear Lake	34	Wheat	Clear Lake
4	Potato	Oakley	35	Wheat	Clear Lake
5	Potato	Pleasanton	36	Wheat	Pleasanton
6	Potato	Clear Lake	36 37	Wheat	Pleasanton
7	Corn	Oakley	38	Wheat	Pleasanton
8	Corn	Pleasanton	39	Wheat	Pleasanton
9	Corn	Clear Lake	40	Wheat	Pleasanton
10	Wheat	Oakley	40	Tomato	Oakley
11	Wheat	Oakley	41	Tomato	Clear Lake
12	Wheat	Oakley	42	Tomato	Clear Lake
13	Wheat	Pleasanton	43	Tomato	Pleasanton
14	Wheat	Pleasanton	• •	Tomato	Pleasanton
15	Wheat	Pleasanton	45	Tomato	Pleasanton
16	Wheat	Clear Lake	46	Potato	Clear Lake
17	Wheat	Clear Lake	47	• • • • • • •	Pleasanton
18	Wheat	Clear Lake	48	Potato	Pleasanton
			49	Potato	Pleasanton
	Ru	ı <b>–1</b> 06	50	Potato	Oaklev
			51	Potato	Clear Lake
19	Tomato	Oakley	52	Corn	Pleasanton
20	Tomato	Pleasanton	53	Corn	Pleasanton
21	Potato	Oakley	54	Corn	
22	Potato	Pleasanton	55	Corn	Pleasanton
23	Corn	Oakley	56	Corn	Oakley
24	Corn	Pleasanton			
25	Wheat	Oakley			
26	Wheat	Oakley			** # awal
27	Wheat	Oakley	108	Corn	Hanford
28	Wheat	Pleasanton	115	Wheat	Hanford
29	Wheat	Pleasanton			
30	Wheat	Pleasanton			

Table 13 (continued)

	Sr-85	·	s	r-85 (conti	nued)
Вох			Вох		
Number	Crop	Soil	Number	Crop	Soil
5 <b>7</b>	Tomato	Yolo	90	Wheat	Hanford + Ca
58	Tomato	Yo10	91	Wheat	Hanford + Ca
59	Potato	Yolo	92	Wheat	Oakley
60	Potato	Yo <b>l</b> o	93	Wheat	Oa <b>kl</b> ey
61	Corn	Yolo	94	Wheat	Oakley
62	Corn	Yolo	95	Corn	Hanford
63	Wheat	Yolo	96	Corn	Hanford
64	Wheat	Yolo	97	Corn	Hanford
65	Tomato	Hanford	98	Corn	Hanford + Ca
66	Tomato	Hanford	99	Corn	Hanford + Ca
67	Tomato	Hanford	100	Corn	Hanford + Ca
68	Tomato	Hanford + Ca	101	Corn	Hanford + Ca
69	Tomato	Hanford + Ca	102	Corn	Oakley
70	Tomato	Hanford + Ca	103	Corn	Oakley
71	Tomato	Hanford + Ca	104	Corn	Oakley
72	Tomato	Oakley	105	Corn	Hanford + T1
73	Tomato	Oakley	106	Corn	Hanford + T2
74	Tomato	Oakley	107	Corn	Hanford + T3
75	Potato	Hanford	109	Potato	Hanford + T1
76	Potato	Hanford	110	Potato	Hanford + T2
77	Potato	Hanford	111	Potato	Hanford + T3
78	Potato	Hanford + Ca	112	Wheat	Hanford + T1
79	Potato	Hanford + Ca	113	Wheat	Hanford + T2
80	Potato	Hanford + Ca	114	Wheat	Hanford + T3
81	Potato	Hanford + Ca.	116	Tomato	Hanford + T1
82	Potato	Oa <b>kl</b> ey	117	Tomato	Hanford + T2
83	Potato	Oak <b>l</b> ey	118	Tomato	Hanford + T3
84	Potato	Oakley	119	Wheat	Camp Parks
85	Wheat	<b>Han ford</b>	120	Wheat	Camp Parks
86	Wheat	Hanford			
87	Wheat	Hanford			
88	Wheat	Hanford + Ca			
89	Wheat	Hanford + Ca	•		

Table 13 (Concluded)

	SR-85 (con	tinued)
Plot		
Number	Crop	Soil
201	Wheat	Camp Parks Field
202	Wheat	Camp Parks Field
203	Wheat	Cemp Parks Field
204	Wheat	Camp Parks Field
205	Corn	Camp Parks Field
301	Wheat	Reedley Field
302	Wheat	Reedley Field
303	Wheat	Reedley Field
304	Wheat	Reedley Field
306	Tomato	Reedley Field
307	Tomato	Reedley Field
308	Tomato	Reedley Field
310	Wheat	Reedley Field
311	Wheat	Reedley Field
312	Wheat	Reedley Field
313	Wheat	Reedley Field
315	Tomato	Reedley Field
316	Tomato	Reedley Field
317	Tomato	Reedley Field

Table 14
SUMMARY OF PLANT PARTS SAMPLED

Plant	Plant Age (days)	Sampled Parts
Corn	21 - 47	Shoot
	<b>29 - 7</b> 0	Stalk, leaves
	58 - 84	Stalk, leaves, tassel
	76 - 119	Stalk, leaves, tassel, silk, husk, ear
Potatoes	99 - 126	Stem, leaves, tuber (meat, peel), root
Tomatoes	27 - 34	Shoot
	42 - 54	Vine
	41 - 70	Stem, leaves
	70 - 89	Stem, leaves, flower
	99 - 195	Stem, leaves, fruit (meat, peel), root
Wheat	21 - 50	Shoot
	41 - 97	Stalk, leaves, head
	90 - 110	Stalk, leaves, head, grain, chaff

developed, the plant stalk was cut off above soil level to avoid disturbing the soil around adjacent plants. Only at the final harvest were the roots sampled for analysis.

Generally, in the sampling process, washing of the plants was minimized to avoid the possible loss of soluble radionuclides. Yet, care was taken to ensure the removal of all soil particles from the sampled plants. Consequently, the root crop plant (potatoes) was carefully processed to remove soil particles. A portion of each potato crop was peeled after washing and the peel and meat portions analyzed separately.

After harvesting and washing, plants were separated into parts as indicated in Table 13. Plant parts were put into separate plastic containers and placed in a large forced air drying oven for a minimum of 24 hours at 70°C,\* or longer if required, to yield a constant weight. The crops that contained large quantities of water, such as tomatoes and potatoes, were dehydrated before being dried to a constant weight.

## Plant Radioactivity Assay

Dry plant samples were transferred from the large drying oven in the growing facility to a smaller oven in a nearby field laboratory. Samples were then removed from the oven and weighed on a semi-micro balance (Mettler Model B-6). After weighing, a portion, or all of the plant sample was placed into "Nalgene" test tubes for gamma activity measurement in a scintillation counter. The Nalgene tubes are made of a plain polypropylene, 32 x 172 mm with a 100 ml capacity. To ensure good counting efficiency in the well crystal, the dry plant material was compressed to a volume which generally ranged between 10 and 30 cubic centimeters. Care was taken not to exceed the latter volume which corresponded to the top of the crystal well. Approximately 20 grams of dry plant material could be counted in this manner.

<sup>\*</sup> Association of Official Agricultural Chemists, 12.2 p. 116, 1945.

The scintillation counter consisted of a 3 x 3-inch NaI crystal with a 1-3/8 x 2-1/4-inch deep well mounted on an EMI type 95788 3-inch multiplier phototube whose output was fed directly into a Systron model 1091-3 scaler. The scaler gate was controlled by a Nuclear Dual Timer. A John Fluke Model 412A high-voltage power supply provided dynode string voltage for the multiplier phototube. Shielding consisted of a lead cylinder 3 inches thick, 9 inches I.D. and 22 inches high. A 2-inch thick lead cover moved back and forth to permit access to the well crystal.

The well crystal was calibrated by observing the count rate of small aliquots of radionuclide solution which contained a known amount of radio-activity. The counting aliquots were transferred to the "Nalgene" tubes from 10 ml volumetric flasks that had been assayed for total activity in a 4-pi gamma ionization chamber of known efficiency.\* To determine the efficiency of the scintillator counter response for increasing volumes, the small aliquots were successively diluted with very acid to yield the results shown by Figure 3. These curves served as a basis for conversion of observed counting rates of each plant sample to disintegration rates according to the following procedures:

 After compressing with the punch and die the volume of the dry plant material in the counting tube was estimated by comparing it with an identical 100 ml tube which was calibrated in cubic centimeters.

<sup>\*</sup> The 4-pi gamma ionization chamber is an argon filled (600 psig at  $70^{\circ}\mathrm{F}$ ) steel ionization chamber 11 inches in diameter by 14 inches high, shielded with 3 inches of lead. The ionization current produced in the chamber is read out on a microammeter. The useful ionization current output ranges between 4 x  $10^{-10}$  and 3 x  $10^{-5}$  milliamps (ma). Readings are normalized to a standard response of 5.60 x  $10^{-7}$  ma for 100 micrograms of radium. The response of the 4-pi ionization chamber to many radioisotopes has been determined. 17

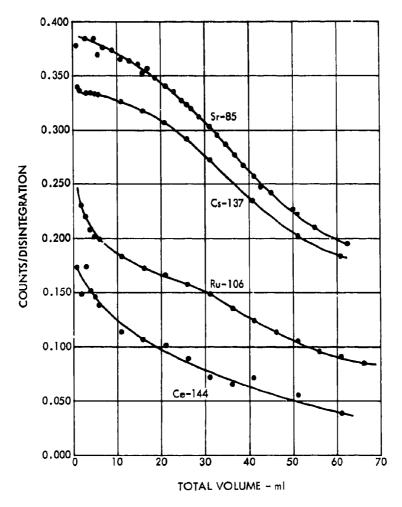


FIGURE 3 VARIATION OF SCINTILLATION COUNTER RESPONSE WITH TOTAL SOLUTION VOL-UME (NALGENE TEST TUBES)

- 2. The sample was counted for gross activity after which its counting rate was corrected for background\* and normalized to a Cs-13? standard.
- 3. The net corrected count rate was then converted to disintegration rate from using the appropriate curve of Figure 3.

<sup>\*</sup> Samples were counted for at least one minute or until the accumulated counts were at least five times the background counts per minute.

# RESULTS

# Plant Uptake Contamination Factors

A plant uptake contamination factor  $(a_{SU})$  is defined as the concentration of a radionuclide in a plant part (atoms per gram of dry plant part) divided by the concentration of the same radionuclide in the soil (atoms per gram of dry soil). It will be noted that:

$$a_{SU} = \frac{atoms/gm \text{ of dry plant}}{atoms/gm \text{ of soil}} = \frac{d/s/gm \text{ of dry plant}}{d/s/gm \text{ of soil}}$$

Disintegration rates, decay corrected to planting date, were used to calculate the  $a_{_{\rm SII}}$  values reported herein.

Appendix A presents a summary sheet for each soil container. Information in each summary sheet includes: (1) plant age in days from date of planting, (2) number of plants harvested, (3) dry weight in grams per plant, (4) dry weight (grams) of counting sample, (5) specific activity of the sample in disintegrations per second per gram (d/s/gm), and (6) uptake contamination factors (a<sub>SU</sub>) for each sample harvested. Specific activity of the soil, date of planting, and plant emergence date are also listed.

# Computed Values of a at Crop Maturity

Average  $a_{\overline{SU}}$  values for each crop at maturity are summarized in Tables 15 through 17. These values were obtained for plants at final harvest when the edible portion had matured to a marketable stage.

The  $a_{\mbox{SU}}$  values listed in Table 17 for Ce-144 and Ru-106 plant-soil combinations, however, should be treated at a low confidence level. The

PLANT UPTAKE CONTAMINATION FACTORS (a<sub>SU</sub>)\* AT CROP MATURITY
Sr-85

		Soil Type					
			Hanford				
		Oakley	Sandy	Yo <b>1</b> o	Camp Parks		
Plant	Plant Part	Sandy Loam	Clay Loam	Silty Clay	Clay		
Tomato	Leaves	23.8	28.0	4.04			
	Stem	9.11	10.68	2.62			
	Fruit	0.374	0.396	0.0418			
	Peel	0.711	0.653	0.222			
	Meat	0.494	0,341	0.123			
	Root	9.40	8,32	1.35			
Potato	Leaves	18.8	14,8	3.96			
	Stem	18.4	18.4	2.86			
	Tuber	0.590	0.409	0.123			
	Pee1	1,06	1.09	0.355			
	Meat	0.346	0.275	0.142			
	Root	13.1	14.9	3.18			
Wheat	Leaves	5,15	3,99	1.00	1.78		
	Stalk	3.11	2.66	0.592	1.29		
	Head	0.427	0.367	0.0636	0.108		
	Grain	0.265	0.208	0.0324	0.0742		
	Chaff	0.896	0.782	0.134	0.380		
Corn	Leaves	6.64	4.64	0.609	1.09		
	Stalk	2.06	1.29	0.276	0.184		
	Cob	0.285	0.213	0.0607	0.0300		
	Kernel	0.0416	0.0364	0.0182	0.0067		
	Husk	0,522	0.353	0.060	0.0429		
	Si <b>l</b> k	0.517	0.352	0.0325	0.115		
	Tasse1	2.64	2.13	0.231	0.234		

<sup>\*</sup> Average of all boxes at final harvest.

Table 16 PLANT UPTAKE CONTAMINATION FACTORS  $(a_{SU})^{\#}$  AT CROP MATURITY Cs-137

		Soil Type					
Plant	Plant Part	Oakley Sandy Loam	Pleasanton Loam	Clear Lake Clay	Hanford Sandy Clay Loam		
Tomato	Leaves	0.134	0.00738	0.0550			
	Stem	0.0775	0.00325	0,0238			
	Fruit	0.106	0.00257	0.0449			
	Peel	0.137	<b>0.00170</b>	0.0396			
	Meat	0.163	0.00278	0.0468			
	Root	0.153	0.0227	0.0396	***		
Potato	Leaves	0.111	0.0155	0.0591			
	Stem	0.176	0.0129	0.0423			
	Tuber	0.117	0.00486	0.0371			
	Peel	0.156	0.00809	0.0226			
	Meat	0.0952	0.00338	0.0205			
	Root	0.155	0.0269	0.0476			
Wheat	Leaves	0,0526	0.00633	0.0244	0.0231		
	Stalk	0.0272	0.00338	0.0150	0.0104		
	Head	0.0304	0.00207	0.0102	0.00546		
	Grain	0.0116	0.00144	0.00742	0.00584		
	Chaff	0.0574	0.00395	0.0150	0.00994		
Corn	Leaves	0.117	0.0070	0.0376	0.0735		
	Stalk	0.103	0.0044	0.0260	0.0337		
	Cob	0.0441	0.0018	0.0132	0.0181		
	Kernel	0.0274	0.00093	0.0062	0.00902		
	Husk	0.0955	0.0028	0.0190	0.0165		
	Silk	0.151	0.0057	0.0315	0.0517		
	Tassel	0.0917	0.0035	0.0186	0.0542		

<sup>\*</sup> Average of all boxes at final harvest.

Table 17  $PLANT \ UPTAKE \ CONTAMINATION \ FACTORS \ (a_{SU})* \ AT \ CROP \ MATURITY$   $Ce-1.44 \ and \ Ru-106$ 

			Ce=144 Soil Typ	Ru-106 Soil Type		
Plant	Plant Part	Oakley Sandy Loam	Pleasanton Loam	Clear Lake Clay	Oakley Sandy Loam	Pleasanton Loam
Tomato	Leaves Stem Fruit Peel Meat Root	0.0426 0.00858 9.00304 0.0105 0.00436 0.113	0.00410 0.00279 0.00350 0.000920 0.00459 0.0234	0.0160 0.00295 0.000395 0.000567 0.00519	0.103 0.0177 0.00325 0.00547 0.0100 0.0753	0.0198 0.00215 0.0208 0.0125 0.00591 0.214
Potato	Leaves Stem Tuber Peel Meat Root	0.143 0.0325 0.00182 0.00866 0.00137 0.140	0.0404 0.0220 0.00880 0.00509 0.00149 0.0542	0.123 0.0144 0.00304 0.00128 0.00352 0.00557	0.356 0.0453 0.0147 0.0338 0.00279 0.355	0.0567 0.0138 0.00222 0.0118 0.00166 0.0903
Wheat	Leaves Stalk Head Grain Chaff	0.00908 0.00194 0.00159 0.00149 0.00837	0.00668 0.00477 0.00211 0.00128	0.00639 0.00156 0.000670 0.000767 0.00254	0.342 0.166 0.0813 0.0102 0.194	0.0447 0.0248 0.00225 0.00198 0.00273
Corn	Leaves Stalk Cob Kernel Husk Silk Tassel	0.0096 0.0044 0.0028 0.0007 0.0034 0.0015 0.0062	0.0088 0.0046 0.0015 0.0001 0.0013 0.0019 0.0011	0.0113 0.00391 0.0015 0.00091 0.0021 0.0056 0.0049	0.0690 0.00822 0.00102 0.00098 0.00505 0.0148	0.0242 0.00275 0.00096 0.0005 0.00107 0.00253 0.00204

 $<sup>\</sup>star$  Average of all boxes at final harvest.

Ru-106 and Ce-144 soil containers were those utilized in the 1965 plant uptake experiments, and the soil activity had decayed to a level which was too low to provide adequate gamma counting rates in the harvested plant samples. The computed values for Ru-106 and Ce-144 will be used only for general comparisons.

Comparisons of  $a_{SU}$  values derived for various plant part-soil radio-nuclide combinations at crop maturity are given in Tables 18 and 19. In Table 18,  $a_{SU}$  values for radionuclides are compared for each plant part for crops grown in Oakley Sandy Loam, and in Table 19,  $a_{SU}$  values are compared for each radionuclide-soil combination.

Table 18 shows that a<sub>SU</sub> values for Sr-85 are the highest in all instances, usually by an order of magnitude. This is in agreement with the results obtained in the 1965 plant uptake experiments. In tomato and corn samples, Cs-137 is found to be the next in order of importance. In wheat and potato samples, Cs-137 and Ru-106 are found to be next in order of importance, with Ru-106 higher in wheat samples, and Cs-137 higher in potato samples. Ce-144 is generally found to be the least important in all plant samples.

Table 19 shows that  $a_{SU}$  values for the edible portion of each plant was the lowest in all cases except for tomato samples, where Cs-137  $a_{SU}$  values in the harvested fruit were not significantly lower than other portions of the plant. The leafy portion of all plants usually had the highest  $a_{SU}$  values.

# Dependence of $\mathbf{a}_{\overset{\phantom{.}}{\mathbf{S}}\overset{\phantom{.}}{\mathbf{I}}}$ on Exchangeable Soil Cations

The relationship between  $a_{\mbox{SU}}$  and relative cation ionic or available concentration was discussed earlier and an equation was proposed which

Table 18

COMPARISON OF a  $_{\mbox{\footnotesize SU}}$  VALUES BY RADIONUCLIDES

(Crops Grown in Oakley Sandy Loam)

Corn	Leaves Sr ≫ Cs = Ru > Ce	$\frac{\text{Stalk}}{\text{Sr} \gg \text{Cs} \gg \text{Ru} = \text{Ce}}$	$\frac{\text{Cob}}{\text{Sr} > \text{Cs} > \text{Ce} > \text{Ru}}$	$\frac{\text{Kerne}1}{\text{Sr} = \text{Cs} \gg \text{Ru} = \text{Ce}}$	Husk Sr > Cs >> Ru > Ce	$\frac{\text{Silk}}{\text{Sr} > \text{Cs} \gg \text{Ru} > \text{Ce}}$	Tassell
Potato	Leaves Sr >> Ru = Ce = Cs	Sr >> Cs > Ru = Ce	Tuber Sr > Cs > Ru >> Ce	Peel	Meat Sr > Cs >> Ru = Ce	$\frac{\text{Root}}{\text{Sr} \gg \text{Ru} > \text{Cs} = \text{Ce}}$	
Wheat	Leaves. Sr > Ru > Cs >> Ce	$\frac{\text{Stalk}}{\text{Sr} \gg \text{Ru} \gg \text{Cs} > \text{Ce}}$	Head  Sr > Ru >> Cs = Ce	$\frac{Grain}{Sr \gg Cs = Ru > Ce}$	Chaff Sr > Ru > Cs > Ce		
Tomato	Leaves Sr >> Cs = Ru > Ce	Stem Sr >> Cs > Ru > Ce	Fruit Sr > Cs >> Ru = Ce	$\frac{\text{Peel}}{\text{Sr} > \text{Cs} \gg \text{Ce} > \text{Ru}}$	$\frac{\text{Meat}}{\text{Sr} > \text{Cs} >> \text{Ru} > \text{Ce}}$	$\frac{\text{Root}}{\text{Sr} > \text{Cs} = \text{Ce} > \text{Ru}}$	

Notes:
>> Indicates a factor of 10 or more.
>> Indicates a factor of more than 2 but less than 10.
= Indicates approximately equal to within a factor of 2.

Table 19

# COMPARISON OF a SU VALUES BY PLANT PART

Radionuclide	Soil	Tomato	Potato
Sr-85	Oakley Sandy Loam	Leaves > root > stem > peel > meat > fruit	Leaves = stem = root > peel > tuber = m:at
	Hanford Sandy Clay Loam	Leaves > stem > root > peel > fruit > meat	Stem = root = leaves > peel > tuber > m:at
	Yolo Silty Clay	Leaves > stem > root > peel > meat > fruit	Leaves = root = stem > peel > ment = tuber
Cs-137	Oakley Sandy Loam	Meat = root = peel = leaves = fruit > stem	Stem = peel = root = tuber = leaves = meat
	Pleasanton Loan	Root > leaves > stem = meat = fruit = peel	Root = leaves = stem = peel > tuber = meat
	Clear Lake Clay	Leaves - meat = fruit = root = peel = stem	Leaves = root = stem = tuber = prel = meat
Ru-106	Oakley Sandy Loam	Leaves = rrot > stem = meat = peel = fruit	Root = Leaves > stem = peel > tuber > meat
	Pleasanton Loam	Root > fruit > leaves > peel > meat > stem	Root > leaves > stem = peel > tuber = meat
Ce-144	Oakley Sandy Loam	Root > leaves > peel > stem > ment = fruit	Leaves = root > stem > peel > tuber = meat
	Pleasanton Loam	Root > ment = leaves = fruit = stem > peel	Root = leaves > stem > tuber = peel > meat
	Clear Lake Clay	Root > leaves > ment > stem > peel = fruit	Leaves > stem > root = meat = tuber > peel
		Wheat	Corn
Sr-85	Oakley Sandy Loam	Leaves = stalk > chaff > head = grain	Leaves > tassel = stalk > husk > cob > kernel
	Hanford Sandy Clay Loam	Leaves = stalk > chaff > head = grain	Leaves > tassel = stalk > husk = cob > kernel
	Yolo Silty Clay	Leaves = stalk > chaff > head = grain	Leaves > stalk = tassel > husk : cob > kernel
Cs-137	Oakley Sandy Loam	Chaff = leaves = head = stalk = grain	Leaves = stalk = husk - tassel > cob > kernel
	Pleasanton Loam	Leaves = chaff = stalk = head = grain	Leaves = stalk = tassel = husk = cob > kernel
	Clear Lake Clay	Leaves = stalk = chaff = head > grain	Leaves = stalk = husk = tassel = cob > kernel
Ru-106	Oakley Sandy Loam	Leaves > chaff = stalk > head > grain	Leaves > tassel = stalk = husk > cob > kernel
	Pleasanton Loam	Leaves > stalk > chaff = head = grain	Leaves > stalk = tassel > husk > cob > kernel
Ce-144	Oakley Sundy Loam	Leaves = chaff > stalk = head = grain	Leaves = tassel = stalk = husk = cob > kernel
	Pleasanton Loam	Leaves = stalk = chaff > head = grain	Leaves = stalk > cob = husk = tassel > kernel
	Clear Lake Clay	Leaves > chaff = stalk > grain = head	Leaves > tassel > stalk = husk > cob > kernel

<sup>&</sup>gt;> Indicates much greater than (a factor of 10 or more)
> Indicates greater than (a factor of more than 2 and less than 10)
= Indicates approximately equal to (within a factor of 2)

relates the uptake factor to the available cation concentration; for example, calcium, according to  $a_{SU} = a_{SU}^0 \left[ \text{Ca}^{++} \right]^{-m}$  where  $a_{SU}^0$  and m are empirical constants and  $\left[ \text{Ca}^{++} \right]$  is the available calcium concentration in milligrams of calcium per gram of soil. An approximate measure of the latter is provided by the soil analysis data for total chemically extractable calcium (exchangeable plus soluble). As noted in Table 4, however, the soluble calcium values are relatively low with respect to the exchangeable concentrations, and the latter values were taken as representative of the total soil available calcium for determination of the equation constants.

Using the data measured for mature samples, the equation constants were determined by least square fits to plots of a versus exchangeable calcium for the crops and soils employed in the present studies. The results are summarized in Table 20 and are compared where possible with values from earlier experiments. In general, the agreement is only fair, but probably consistent with the limited number of experiments and test soils.

As in the previous work, only a limited number of soils were employed and the derived constants are based at most on no more than three to four values for exchangeable calcium in the native soils. In a few cases, however, the experiments were repeated for a given crop-radionuclide combination on additional soils. Ar example is illustrated in Figure 4 for wheat and radiostrontium. In this figure the combined data are shown for the last two experiments. The similarity in slopes for the three plant parts is evident readily as is the order of a values ranging from the lower values for the grain to the higher values in the leaves. The similarity in slopes appears to be reasonable, since it would be expected that lower available strontium to the root system (at higher soil calcium levels) would equally affect all plant parts. Further experiments would

		Sr-	85	c	s-137
Crop	Part	A <sub>SU</sub>	m	A <sup>o</sup> SU_	<u>m</u>
Wheat	Leave s	a 2.77 b (2.52)	0.862 (0.819)	0.0243 (0.0546)	0.495 (1.58)
	Stalk	1.66 (1.26)	0.760 (0.809)	0.0123 (0,0254)	0.371 (2.44)
	Grain	0.161 (0.201)	0. <b>833</b> (1.11)	0,0058 (0,0120)	0.371 (3.28)
Tomato	Leaves	13.0 (3.15)	1.49 (1.13)	0.0538 (0.0780)	0.700 (1.59)
	Stem	5.87 (3.35)	1.19 (1.48)	0.0802 (0.0794)	0.866 (0.781)
	Fruit	0.162 (0.134)	1.97 (0.904)	0.0336 (0.0145)	0.757 (2.13)
Corn	Leaves	2.36	1.98		
	Stalk	0.821	1.60		
	Kernel	0.029	0.678		
Potato	Leaves	9.58	1.28	0.0596	0.487
	Stem	8,99	1.64	0.0732	0.934
	Tuber	0.288	1.24	0.0423	0.850

a First value from 1967 crop year (present work).

b Values in parentheses are those reported in reference 8 for 1965 crop year.

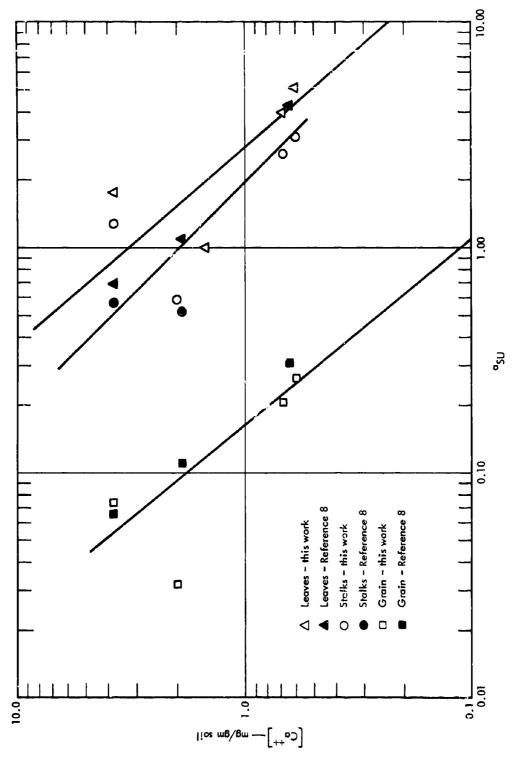


FIGURE 4 VARIATION OF a SU FOR SR-85 WITH EXCHANGEABLE CALCIUM, WHEAT - GRAIN, LEAVES AND STALKS

be required to confirm this observation and to provide improved confidence in the desired value for the slope.

The effect of added calcium on  $a_{SU}$  values for radiostrontium was determined for all crops grown in Hanford sandy clay loam soils. Calcium in the form of hydrous calcium sulfate was added to the as-received loam in amounts of 290, 580, 1158, and 1738 grams of gypsum, or 50, 100, 200, and 300 percent of the total exchangeable calcium level. Four boxes were prepared for each level and planted with tomatoes, potatoes, wheat, and corn. The resulting  $a_{SU}$  values for these crops grown in the amended loam soils are given in Table 21.

The a<sub>SU</sub> values for all crops grown with a 50 percent amendment, as compared to the values with no additional calcium, showed a decrease in a<sub>SU</sub> in all cases, with the largest change noted for wheat leaves and the smallest for corn kernels. In all cases the smallest variation was found in the edible portion. These findings agree with those reported in References 7 and 8. The a<sub>SU</sub> values obtained with 100 percent calcium addition showed a decrease in a<sub>SU</sub> from the 50 percent amendment in only 42 percent of the samples, while the subsequent calcium additions of 200 and 300 percent showed no significant decrease over those obtained with the initial 50 percent amendment.

# Comparison of Soil Container and Field Experiments

The measured a SU values for samples grown in fields at Cump Parks and at Hanford are summarized in Table 22 along with the corresponding values for crops grown in soil containers. The paired values for each plant part have been plotted in Figure 5 in which the 45° line represents equal values.

Both crops grown in the Hanford soil, tomatoes and wheat, show reasonably good agreement between container and field data with a slight bias

Table 21

EFFECT ON PLANT UPTAKE CONTAMINATION
FACTOR (a\_) BY CALCIUM ADDITIONS
TO Sr-85 CONTAMINATED HANFORD SANDY CLAY LOAM

Plant	Plant Part		Ca	lcium Add:	ltions	
	<del></del>	Control	50%	100%	200%	300%
Tomato	Leaves	28.07	13.1	12.6	12.5	13.9
	Stem	10.7	5.93	7.38	5.22	6.11
	Fruit	0.396	0.335	0.175	0.177	0.398
	Pee1	0.653	0.397	0.540	1.51	0.327
	Meat	0.341	0.196	0.202	0.636	0.0956
	Root	8.32	4.58	5.85	4.64	4.82
Potato	Leaves	14.77	11.1	10.3	9.83	11.4
	Stem	18.43	12.0	9.80	10.4	11.2
	Tuber	0.409	0.314	0.213	0.335	0.174
	Pee1	1.09	0.587	1.92	0.618	0.569
	Meat	0.275	0.141	0,178	0.193	0.118
	Root	14.87	8.72	8.98	7.71	9.13
Wheat	Leaves	4.00	3.23	3,56	3.52	4.16
	Stalk	2.62	1.83	2.12	2.15	2.28
	Head	0.367	0.277	0.253	0.226	0.227
	Grain	0.208	0.153	0.0997	0.128	0.134
	Chaff	0.782	0.603	0.509	0.478	0.702
Corn	Leaves	4.64	3.25	3.33	3.78	3.17
	Stalk	1.29	0.790	1.12	0,863	1.12
	Cob	0.213	0.166	0.159	0,269	0,163
	Kernel	0,0364	0.0290	0.0346	0.0276	0.0222
	Husk	0,353	0.286	0.168	0.197	0.301
	Silk	0,352	0.200	0.285	0.170	0.201
	Tassel	2.13	1.58	1.75	1,42	1.14

Table 22

COMPARISON OF PLANT UPTAKE CONTAMINATION FACTORS (a SU)
OBTAINED FROM PLANTS GROWN IN SOIL CONTAINERS AND
PLANTS GROWN UNDER FIELD CONDITIONS
Sr-85

Hanford

		Han	1014		
		Sandy C	lay Loam	Camp Parks Clay	
	Plant		Soil		Soil
Plant	Part	Field	Container	Field	Container
Tomato	Leaves	12.2	28.1		
	Stem	7.08	10.68		
	Fruit	0.511	0.396		
	Peel	0.340	0.653		gard 104 <sub>0</sub>
	Meat	0.413	0.341		
	Root		8.32		
Wheat	Leaves	6.17	4.00	0.520	1.78
WIIGHT	Leaves	0.11	4.00	0.320	1.10
	Stalk	3.02	2,62	0.281	1.29
	Head	1.02	0.367	0.042	0.107
	Grain	0.532	0.208	0.031	0.079
	Chaff		0.782	0.101	0.373

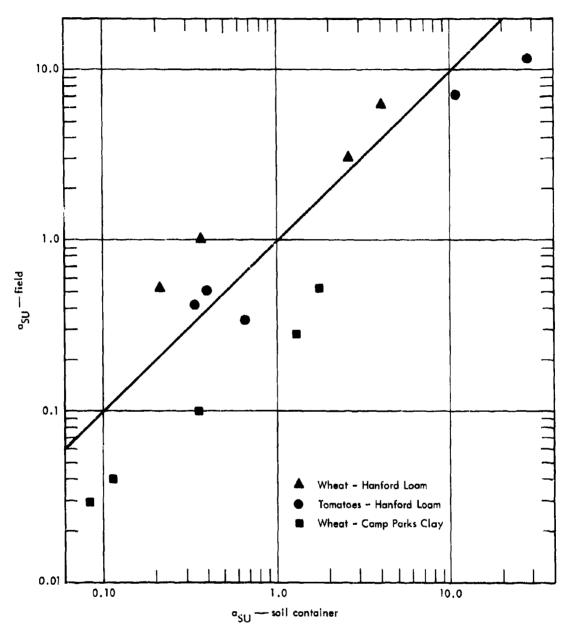


FIGURE 5 COMPARISON OF RADIOSTRONTIUM  ${\bf a}_{SU}$  VALUES FOR SAMPLES GROWN IN 501L CONTAINERS AND IN THE FIELD

in favor of higher a SU values indicated for wheat samples grown in the field. An opposite effect is shown for the wheat crop grown in Camp Parks clay, which gave the largest variation between the containers and the field. On the average, the container a Values for Camp Parks wheat were slightly more than three times higher than the field samples. For all of the paired values taken as a whole, eight values were higher in crops grown in the soil containers and six were higher in the field samples. The average ratio of high to low value was 2.8 for the former and 1.8 for the pairs which gave higher field values.

The purpose of these experiments was to test the hypothesis that the large soil containers used in this work provide realistic simulation of an actual field environment. These rather limited experiments clearly do not verify the hypothesis for general application. On the other hand, neither do they disprove it. In fact, the agreement appears to be adequate to support the continuing application of the soil container data to postattack predictions of food contamination,\* at least in the absence of additional experimental work.

As part of the field experiments a limited number of additional tests were undertaken to derive information relating to several experimental variables. These included comparisons of a values measured for various methods of application of the synthetic particle fallout, seeded (first crop) wheat with volunteer (second crop) wheat, and synthetic

<sup>\*</sup> These considerations apply to the early postattack period when the uptake route is relatively less important than other sources of contamination. The uncertainties reflected in the data would undoubtedly assume increasing importance for purposes of assessing the longer-term hazard, or for evaluating uptake of world-wide fallout.

particle fallout with solution simulant. The results are presented, respectively, in Tables 23 through 25. In nearly every case the agreement appears to be well within the experimental uncertainty and indicates no appreciable difference in the results by the various methods. A possible exception is the higher a values for the first wheat crop at Reedley (Table 24), which may be related to a relatively poor crop yield as compared to the volunteer wheat crop yield. The latter winter crop received additional rainfall which allowed for a normal root penetration.

The good agreement between the particle and solution simulant results supports the previously unproven contention that little difference is to be expected between the two methods of upplication, at least for this type of study and radionuclide-soil combination. From an experimental point of view, however, the particle type of fallout provides a considerably more convenient vehicle than a solution form for application to field plots, and in any event simulates more realistically the physical mixing of soil and fallout particles. For certain types of soils such mixing may have an important influence on the uptake process.

# Effect of Heat Treatment on Observed Uptake

In the previous experiments a limited number of tests were undertaken in which samples of synthetic fallout were subjected to successively higher temperatures prior to mixing with the soil. The results indicated a marked decrease in the available radionuclide with corresponding lower as values, by as much as a factor of ten or more. The experiments were repeated more extensively in the present work with the results shown in Table 26. Also shown is the solubility of the radiostrontium used, as measured in water and 0.1 N HC &. In general, and as expected, the decrease in a for the heated simulant corresponds more closely to the decreased solubility in vater.

Table 23

COMPARISON OF Sr-85 UPTAKE BY WHEAT GROWN IN HANFORD SOIL

CONTAMINATED BY SYNTHETIC FALLOUT MIXED INTO PLOWLAYER AND

WITH SYNTHETIC FALLOUT APPLIED TO SOIL SURFACE

Plant	Plant Part	Simulant on Surface (a <sub>SU</sub> )	Simulant Mixed into Plow Depth (a SU)
Wheat	Leaves	7.48	6.17
	Stalk	5.84	3.02
	Head	1.64	1.02
	Grain	0.824	0.532

Table 24

COMPARISON OF Sr-85 UPTAKE IN GRAIN FOR SEEDED WHEAT

(FIRST CROP) WITH VOLUNTEER WHEAT (SECOND

CROP) ON FARMLAND PLOTS

	First Crop (a SU)	Second Crop (a <sub>SU</sub> )
Camp Parks plot, synthetic fallout	0.0312	0.0232
Reedley plot, synthetic fallout surface application	0.824	0.281
Mixed in plowlayer	0.532	0.407
Solution mixed in plowlayer	0.451	0.253

Table 25

COMPARISON OF Sr-85 UPTAKE FROM HANFORD SOIL CONTAMINATED BY SOLUTION SIMULANT AND BY SYNTHETIC FALLOUT

Plant	Plant Part	Solution Simulant ( <sup>a</sup> SU)	Fallout Simulant
Tomato	Leaves	12.0	12.2
	Stem	7.40	7.08
	Fruit	0.308	0.511
	Peel	0,557	0.340
	Meat	0.359	0.413
Wheat	Leaves	3.44	6.17
	Stalk	2.28	3.02
	Head	0.860	1.02
	Grain	0.451	0.532

COMPARISON OF Sr-85 a UPTAKE FROM HANFORD SOIL CONTAMINATED
WITH HEATED SYNTHETIC FALLOUT

	Plant	Syn	thetic Fal	lout Treatme	nt
Plant	Part	Control	888°C	1027°C	1071°C
Tomato	Leaves	28.07	0.280	0.199	0.125
	Stem	10.68	0.0892	0.108	0.0601
	Fruit	0.396	0.0121	0.0175	0.0965
	Peel	0.653	0.0336	0.0083	0.0167
	Meat	0.341	0.00959	0.00490	0.00146
	Root	8.32	0.139	0.0485	0.104
Potato	Leaves	14.77	0.240	0.0800	0.192
	Stem	18.43	0.155	0.0696	0.198
	Tuber	0.409	0.214	0.00202	0.00933
	Peel	1.09	0.00786	0.00774	0.00441
	Meat	0.275	0.0222	0.00275	0.00796
	Root	14.87	0.140	0.0677	0.157
Wheat	Leaves	4.00	0.0683	0.0104	0.0880
	Stalk	2.62	0. 431	0.0261	0.0429
	Head	0.367	0.00438	0.00356	0.00465
	Grain	0.208	0.00322	0.00257	0.00237
	Chaff	0.782	0.0203	0.00537	0.0141
Corn	Lea <b>ves</b>	4.64	0.296	0.0224	0.0834
	Stalk	1.29	0.0503	0.0109	0.0309
	Cob	0.213	0.0163	0.000912	0.00720
	Kernel	0.0364	0.00317	0.000417	0.00211
	Hu <b>sk</b>	0.353	0.0175	0.00662	0.00998
	Silk	0.352	0.0498	0.0124	0.00712
	Tassel	2.13	0.105	0.0102	0.0486
Sr-85	percent soluble				
	in water	86.6%	1.4%	1.4%	1.5%
Sr-85	percent soluble in	00.4	55 O	4 80 4	
	0.1 N HC1	99.4	75.9	17.4	13.1

Although the present studies were conducted only with radiostrontium, laboratory work 10.11.12 with additional radionuclides provides evidence that similar decreases would be expected. These results are significant with respect to expected levels of radionuclides in crops, for a given level of fallout contamination, and clearly indicate the necessity for specifying the degree of availability of radionuclides for a given type of fallout.

### CONCLUSIONS

The uptake of four radionuclides (Sr-85, Ru-106, Cs-137, and Ce-144) was measured for four plants (wheat, tomatoes, corn and potatoes) grown in four different soil types (sandy loam, sandy clay loam, silty clay and clay). Plants were grown in large soil containers that allowed most of the root system to develop under normal field conditions. Sampling started as soon as the plants sprouted and continued at frequent intervals depending on growth characteristics of the plant. Plant uptake contamination factors ( $a_{_{{\rm SII}}}$ ) were calculated for each of the samples harvested. Comparisons of the uptake for various plant part-soilradionuclide combinations at crop maturity show that the  $\mathbf{a}_{_{\mathbf{S}\mathbf{II}}}$  values for Sr-85 are the largest in all instances, usually by an order of magnitude. The  $a_{\rm SH}$  values for Cs-137, Ru-106, Zr-Nb-95, and Ce-144 show no consistent pattern and are randomly distributed high and low among the plant part-soil combinations. The a cut values for the edible portion of each plant were lowest in every case, and usually the leafy portion of the plants had the largest  $a_{_{\rm SU}}$  value. These general observations support and extend the results of previous experiments.

Only limited data were available for evaluating the effects of available calcium on radionuclide uptake but, taken with the results of previous work, supported the postulated decrease in uptake in a manner approximately inversely proportional to the exchangeable calcium concentration in the soil. These results again emphasized the generally lower uptake values observed in the work as compared to literature values. The lower values in these experiments have been attributed to the growing of crops in large containers, as opposed to values based on literature

data which are reported for experiments using small pot containers. The large soil containers allowed the plant root systems to develop in a manner more nearly approximating field conditions.

To test this assumption further some field studies were conducted in which crops were grown on small test plots at two different field locations. The data were not extensive enough to confirm the validity of the large container approach but were in sufficiently good agreement to support the continuing application of the large container data to estimations of early postattack period food contamination levels. As part of the field studies, a limited number of additional experiments were conducted to compare measured a values for various methods of mixing the contaminant with the soil and also to compare the results obtained by applying the contaminant in normal particle form and also as a solution. In all cases no significant differences were found.

By far the largest changes in  $a_{SU}$  values were produced when the availability of the radionuclides for uptake was reduced by thermal pre-treatment of the fallout simulant. The results verified the previous reductions in  $a_{SU}$  values for wheat by as much as a factor of 10. In the present work the observations were extened to include the three additional crops of tomatoes, corn and potatoes and similar reductions in  $a_{SU}$  values were found.

## Recommendations

In view of the generally low uptake values observed in this and previous work it appears very likely that relatively little postattack hazard to humans can be anticipated from the consumption of foods grown in soils which have been contaminated up to the levels employed in these experiments. The primary contribution of the current series of experiments has been to significantly extend the amount of available data for

analyses of postattack food supply problems. It is recommended that the data be included in subsequent analytical studies directed to evaluations of human survival following nuclear attack.

Possibly the most serious problem encountered in the conduct of the work has been associated with the difficulty in attempting to generalize the results. Although the number of radionuclides and crops studied are probably adequate to cover a wide range of postattack situations, the work has of necessity been restricted to only a limited number of soil types. Although undertaking additional work would clearly be dependent on research priorities, it is recommended that any additional studies be specifically oriented toward an emphasis on soil variables.

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## Appendix A

PLANT UPTAKE SUMMARY SHEETS

STITES TO PLANT UPTAGE SUBMARY SELECTS

	Soil	2 L S	Camp Parts Fleld	Camp Parks Field	Camp Parks Field	Camp Parks Field	Camp Parts Pield	Parellar Profes		No.	Alexa Tiella	-	Beedley Field	Beedley Field	Reading Pield	Beatler Field	Manage Piets	Pareller Piels	Mary Piets			Reading Field	heedley Field												
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	[2]	Sr-85 (continued)	Marford + 100% Ca	Manford + 200% Ca	Onkley	Onkley	Onkley	Marrord	Marford	Hen ford	Manford + 300% Ca	Magford + 505 Ca	Manfers + 1005 Ca	Manford + 2005 Ca	Onkley	Onkley	-	Deferd + 11	Matterd + 12	Baferd + 73	Maferil + 71	Er + bredeel	Bafert + 73	Baford + 11	Deford + TZ	Maford + TJ	Beford + Ti	Marford + TZ	Manford + T3	Out Parts	1				
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	Soil	67-65	Tole	Yolo	Tolo	Yolo	Yolo	Yolo	Yolo	Tolo	Marford	Marford	Marford	Sanford + 300% Ca	Masford + 50% Ca	Maford + 100% Ca	March + 2005 Ca	Onkiey	Outley	Onkley	Maford	Manford	Parl ord	Marford + 300% Ca	Manford + 50% Ca	Manford + 100% Ca	Basford + 2005 Ca	Outley	Onkiey	Oshley	Manford	Man ford	Baford	Mariors + 300% Ca	Marford + 50% Ca
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	Sot 1	21	Oakley	Pleasanton	Clear Labr	Onkley	Pleasanton	Clear Lake	Oakley	Pleasanton	Clear Lake	Oakley	Oakley	Oakley	Pleasanton	Pleasanton	Picasanton	Clear Lake	Clear Lake	Clear Lake		¥	İ	Onkley	Pleasanton	Oakley	Pleasanton	Onkley	Fleasanton	Onkley	Oakley	Oakley	Pleasanton	Pleasanton	Pleasanton
	8	S-14	Tomato	Tomato	Tomato	Petato	Poteto	Potato	Cora	8 12 12 13	Core	Wheat.	a see a	Wheat	Wheat	Wheat.	Wheat	Whe a C	Per s.	Theat		Mu-106		Townsto	Tomero	Potato	Potsto	Corre	g	1	Per :	West	ape a	e a i	New K. I.
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. To, T2 and T3 indicate three temperature levels amiliartic fallout heated prior to mixing in soil.

TABLE A- 1

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		•	PLANT UP	TAKE SUMMARY	: TCMATC		· ·
SOLL:	OAKLEY S	SANCY LO	CAM			NTAINER NU	MEER: L
RADIONU	CL 10E:	CG=144				TE PLANTED	: 110
INITIAL	SCIL AC	TEVELY	(C/\$/GM	): 471.80		TE EMERGED	: 125
		<del></del>	NUMBER		COUNTING	SPECIFIC	
SAMPLE	PLANT	AGE	QE	DRY MEIGHT	DRY WEIGHT	ACTIVITY	ASU
UMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(C/S/GM)	
	£44567	34	20	C 0580	1 0502	27 250	5.789-02
101	SHCCT VINE	<del>34</del> 47	2C 40	C.0980 0.3478	1.9592	27,250 29,410	6.232-02
103	STEM	54	12	0.7795	9.3540	34.546	7.328-02
104	LEAVES	54	12	0.2687	3.2240	17.977	3.818-02
105	LEAVES	70		5.5057	11.0114	23.216	4.920-0
106	STEM	76	2	2.9324	5.6648	9.124	1.932-02
107	LEAVES	84_	2	12-9445	9.7010	7.478	1.598-02
108	STEM	84	2	11.7908	10.6020	2.299	4.872-0
109	FLCHER	84	2	0.4825	0.9650	10.575	2.334-0
110	LEAVES	175	l,	17.6092	5.8092	20.117	4.262-0
_111_	STEM		<u></u>	15.9499	4,3599	4.047	8.582-0
112	FEELS	175	1	17.6947	0.8747	4.537	1.052-0
-113	MEAT			<u> </u>	4-660C	2.678	4.366-0
114 _ 115	FRUIT ROOT	175	i	11:.3700	9.8100 2.6356	52.250	1.136-0
				7ABLE A- 2			
			PLANI_U	TABLE A- 2	: TOMATO		MAFR:
	PLEASAN	TCN LCA	PLANI_UF	TABLE A- 2 PTAKE SUMMARY	: TCMATC	UN SENIATIO	
PACION	PLEASAN UGLIDE:	TCN LCA CE-144	PLANT_UE	TABLE A- 2 PTAKE SUMMARY	: TOMATO	ONTAINER NU	± 110
PACION	PLEASAN UGLIDE:	TCN LCA CE-144	PLANT_UE	TABLE A- 2 PTAKE SUMMARY	: TOMATO	UN SENIATIO	± 110
PAC <u>LON</u> L <u>N1</u> TIAI	PLEASAN UCLIDE: L SOIL A	TCN LCA CE-144 CTIVITY	PLANT UE  M  (D/S/GI  NUFBER	TABLE A- 2 PTAKE SUMMARY	: TCMATC  CS  DI	ONTAINER NU ATE PLANTEC ATE EMERGEC SPECIFIC	: 110
PACION Initiai Sample	PLEASAN UGLIDE:	TCN LCA CE-144	PLANT UP  M  (D/S/GI  NUMBER  OF	TABLE A- 2 PTAKE SUMMARY	: TCMATC  CS  DI	DNTAINER NU ATE PLANTEC ATE EMERGEC	± 110
PACIONI INITIAI SAMPLE NUMBER	PLEASAN UCLIDES SOIL A PLANT PART	TCN LCA CE-144 CTIVITY AGE (CAYS)	M (D/S/GI	TABLE A- 2 PTAKE SUMMARY  H): 480.60  DRY WEIGHT (GM/PLANT)	COUNTING DRY MEIGHT (GRAMS)	ONTAINER NU ATE PLANTEG ATE EMERGED SPECIFIC ACTIVITY (O/S/GM)	: 110 : 125 ASU
SAMPLE NUMBER	PLEASAN UGLIDES L SOIL A PLANT PART SMCCT	TCh LCA  GE-144  CTIVITY  AGG: (CAYS)	PLANT UP  M  (D/S/GI  NUMBER  OF  PLANTS	TABLE A- 2 PTAKE SUMMARY  M): 480.60  DRY MEIGHT (GM/PLANT)	COUNTING DRY MEIGHT (GRAMS)	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (O/S/GM)	2: 110 3: 125 ASU 1.968-0
SAMPLE NUMBER	PLEASAN UCLIDES SOIL A PLANT PART SMCOT VINE	TCN LCA CE-144 CTIVITY AGE (CAYS)	M (D/S/GI	TABLE A- 2 PTAKE SUMMARY  H): 480.60  DRY WEIGHT (GM/PLANT)	COUNTING DRY MEIGHT (GRAMS)	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (0/S/GM)	1: 110 2: 125 ASU 1:962-0 2:442-0
SAMPLE NUMBER	PLEASAN UGLIDES L SOIL A PLANT PART SMCCT	TCN LCA CE-164 CTIVITY AGF: (CAVS)	PLANT UP  (D/S/GI  NUMBER  OF  PLANTS  20 40	TABLE A- 2 PTAKE SUMMARY  M): 480.60  DRY MEIGHT (GM/PLANT)  0.0686 0.2324	COUNTING DRY WEIGHT (GRAMS)  1.3722 9.2978	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (O/S/GM)	ASU 1.968-0 2.448-0 2.928-0
SAMPLE NUMBER 201 202 203	PLEASAN UCLIDES SOIL A PLANT PART SMOOT VINE STEM	TCN LCA  CE-144  CTIVITY  AGF: (CAVS)  24  47  54  70	PLANT UP  (D/S/GI  NUMBER  OF PLANTS  20 40 12 12	TABLE A- 2 PTAKE SUMMARY  M): 480.60  DRY MEIGHT (GM/PLANT)  0.0686 0.2324 0.3125 0.1167 2.7251	COUNTING DRY WEIGHT (GRAMS)  1.3722 9.2978 3.6336 1.3998 10.9004	SPECIFIC ACTIVITY (0/S/GM)  9.396 11.705 14.043 8.058	110 125 ASU 1.968-0 2.448-0 2.928-0 1.118-0 1.668-0
SAMPLE NUMBER 201 202 203 204 205 206	PLEASAN UCLIDE: SOIL A PLANT PART  SMCOT VINE STEM LEAVES LEAVES STEM	TCN LCA  CE-144  CTIVITY  AGF: (CAYS)  34  47  54  70	PLANT UP  M  AUD/S/GI  NUMBER  QF  PLANTS  20  40  12  12  4	TABLE A- 2 PTAKE SUMMARY  H): 480.60  DRY WEIGHT (GM/PLANT)  0.0686 0.2324 0.3195 0.1167 2.7251 3.2841	COUNTING DRY WEIGHT (GRAMS)  1.3722 9.2978 3.8336 1.3998 10.9904 13.1365	DNTAINER NU ATE PLANTED SPECIFIC ACTIVITY (0/5/GH) 4.396 11.709 14.043 5.345 8.058 3.945	110 1-125 ASU 1-968-0 2-448-0 2-928-0 1-118-0 1-608-0 7-388-0
SAMPLE NUMBER 201 202 203 204 205 206 207	PLEASAN UGLIDE: SOIL A PLANT PART SMCOT VINE STEM LEAVES LEAVES STEM LEAVES	AGE-144 CEITVITY  AGE: (CAYS)  24 47 54 70 70 84	PLANT UP  (D/S/GI  NUMBER  OF PLANTS  20 40 12 12 4 4	TABLE A- 2 PTAKE SUMMARY  M): 480.60  DRY WEIGHT (GM/PLANT)  0.0686 0.2324 0.2195 0.1167 2.7251 3.2841 11.5730	COUNTING DRY WEIGHT (GRAMS)  1.3722 9.2978 3.8336 1.3998 10.9004 13.1365 15.8930	SPECIFIC ACTIVITY (0/5/GM)  9.396 11.705 14.042 5.545 8.058 0.675	ASU 1.962-0 2.442-0 2.923-0 1.112-0 1.662-0 7.382-0 1.402-0
SAMPLE NUMBER 201 202 203 204 205 206 207 208	PLEASAN  JCLIDE:  SOIL A  PLANT PART  VINE STEM LEAVES STEM LEAVES STEM LEAVES	TCN LCA  CE-144  CTIVITY  AGF: (CAVS)  24  47  54  70  70  84	PLANT UP  M  (D/S/GI  NUMBER  OF  PLANTS  20 40 12 12 4 4 2 2	TABLE A- 2 PTAKE SUMMARY  M): 480.60  DRY MEIGHT (GM/PLANT)  0.0686 0.2324 0.3195 0.1167 2.7251 3.2641 11.5730 10.6019	COUNTING DRY WEIGHT (GRAMS)  1.3722 9.2978 3.6336 1.3998 10.9904 13.1365 14.8930 9.4381	SPECIFIC ACTIVITY (0/5/GM)  9.396 11.705 14.043 5.545 8.058 3.545 0.675	1.962-0 2.448-0 2.428-0 1.112-0 1.662-0 7.382-0 1.402-0 5.702-0
SAMPLE NUMBER 201 202 203 204 205 206 207 208	PLEASAN UCLIDE; SOIL A PLANT PART VINE STEM LEAVES LEAVES STEM LEAVES STEM LEAVES	TCN LCA  CE-144  CT1VITY  AGF: (CAVS)  47 54 54 70 84 84	PLANT UP  M  ID/S/GI  NUMBER  QF  PLANTS  20 12 12 4 4 2 2 2	TABLE A- 2 PTAKE SUMMARY  A): 480.60  DRY WEIGHT (GM/PLANT)  0.0686 0.2324 0.3195 0.1167 2.7251 3.2841 11,5730 10.6019 0.3606	COUNTING DRY WEIGHT (GRAMS)  1.3722 9.2978 3.8336 1.3998 10.9904 13.1365 14.8930 9.4381	DNTAINER NU ATE PLANTEC ATE EMERGED SPECIFIC ACTIVITY (0/5/GM) 9.396 11.709 14.043 5.345 8.058 3.945 0.674 0.539	110 1.962-0 2.448-0 2.928-0 1.118-0 7.388-0 1.408-0 5.708-0 1.128-0
SAMPLE NUMBER 201 202 203 204 205 206 207 208 208	PLEASAN UGLIDE: SOIL A PLANT PART  SMCOT VINE STEM LEAVES LEAVES STEM LEAVES STEM LEAVES LEAVES STEM LEAVES	AGF: (CAYS)  24 47 54 70 70 84 84 175	PLANT UP  M  (D/S/GI  NUMBER  OF  PLANTS  20 40 12 12 4 4 2 2	TABLE A- 2 PTAKE SUMMARY  A): 480.60  DRY WEIGHT (GM/PLANT)  0.0686 0.2324 0.3195 0.1167 2.7251 3.2841 11.5730 10.6019 0.2406 17.9377	COUNTING DRY MEIGHT (GRAMS)  1.3722 9.2978 3.6336 1.3998 10.9004 13.1365 14.8930 9.4384 0.7212 4.9177	SPECIFIC ACTIVITY (0/5/GM)  4.396 11.705 14.042 5.545 8.058 8.058 0.675 2.740 0.539	ASU 1.962-0. 2.448-0. 2.928-0. 1.112-0. 1.608-0. 7.382-0. 1.408-0. 5.708-0. 1.128-0.
SAMPLE NUMBER 201 202 203 204 205 206 207 208 209 211	PLEASAN  JCLIDE;  SOIL A  PLANT PART  VINE STEM LEAVES STEM LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES STEM	TCN LCA  CE-144  CTIVITY  AGF: (CAVS)  24  47  54  70  70  84  89  175  175	PLANT_UP  M  (D/S/G)  NUMBER  OF  PLANTS  20  40  12  4  4  2  2  1	TABLE A- 2 PTAKE SUMMARY  A): 480.60  DRY MEIGHT (GM/PLANT)  0.0686 0.2324 0.3195 0.1167 2.7251 3.2841 11.5730 10.6019 0.3606 17.9377 35.2040	COUNTING DRY WEIGHT (GRAMS)  1.3722 9.2978 3.6336 1.3998 10.9904 13.1365 14.8930 9.4381 0.7212 4.9177 3.7460	SPECIFIC ACTIVITY (0/5/GM)  4.396 11.705 14.043 5.345 8.058 3.545 2.740 0.539 1.970 1.3422	1.962-0 2.448-0 2.448-0 1.112-0 1.402-0 5.702-0 1.122-0 4.102-0 2.793-0
SAMPLE NUMBER 201 202 203 204 205 206 207 208 209 210 211 212	PLEASAN UCLIDE; SOIL A PLANT PART  VINE STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM PEELS	AGF: (CAYS)	PLANT UP  M  ID/S/GI  NUMBER  QF  PLANTS  20 12 12 4 4 2 2 2	TABLE A- 2 PTAKE SUMMARY  A): 480.60  DRY WEIGHT (GM/PLANT)  0.0686 0.2324 0.3195 0.1167 2.7251 3.2841 11,5730 10.6019 0.3606 17.9377 35.2060 15.8999	COUNTING DRY WEIGHT (GRAMS)  1.3722 9.2978 3.8336 1.3998 10.9904 13.1365 14.8930 9.4384 0.7212 4.9177 3.7460 0.9099	DNTAINER NU ATE PLANTED SPECIFIC ACTIVITY (0/5/GM) 9.396 11.705 14.043 5.345 8.058 3.545 0.674 2.740 0.539 1.970 1.342 0.442	110 1.968-0. 2.448-0. 2.928-0. 1.118-0. 7.368-0. 1.408-0. 5.708-0. 1.128-0. 4.108-0. 2.798-0. 9.208-0.
SAMPLE NUMBER 201 202 203 204 205 206 207 208 209 211	PLEASAN  JCLIDE;  SOIL A  PLANT PART  VINE STEM LEAVES STEM LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES STEM	TCN LCA  CE-144  CTIVITY  AGF: (CAVS)  24  47  54  70  70  84  89  175  175	PLANT_UP  M  (D/S/G)  NUMBER  OF  PLANTS  20  40  12  4  4  2  2  1	TABLE A- 2 PTAKE SUMMARY  A): 480.60  DRY MEIGHT (GM/PLANT)  0.0686 0.2324 0.3195 0.1167 2.7251 3.2841 11.5730 10.6019 0.3606 17.9377 35.2040	COUNTING DRY WEIGHT (GRAMS)  1.3722 9.2978 3.6336 1.3998 10.9904 13.1365 14.8930 9.4381 0.7212 4.9177 3.7460	SPECIFIC ACTIVITY (0/5/GM)  4.396 11.705 14.043 5.345 8.058 3.545 2.740 0.539 1.970 1.3422	: 110

TABLE A- 1

			PLAMT UP	TAK 3 SUMBANY	1 TAKATA		<del></del>
init.	CLEAR L	ME CIT	<u> </u>			NTAINER M	****
AD LONG	CLIDE:	CE-144			04	TR PLANTED	1.110
				11 466-40	DA	TA ANDRAGA	. 121
AMPLE	PLANT	AGE	NUMBER	DRY MEIGHT	COUNTING DRY MEIGHT	SPECIFIC	ASU
ASONU	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	10/5/ <b>6</b> R)	
301	SHOOT	24	20	0.1942	1.1230	31.084	4.448-5
302	VINE	47	25	0.5930	14-0240	11.003	2.546-0
191	STER	54	<del></del> -	1-1856	10-4703	<u>4-748</u> _	<u></u>
304	LEAVES	54		0.4991	4.4921	3.755 4.177	8.028-0
-305-	<del>"fēšāes</del>	70		7.1198 2.0104	21.3594 4.0317	4-207	9.134-0
3 <b>96</b> 307	STER	70	,	9.4537	9.8225	1.443	4-828-6
308	STER	- 64	<del></del>	10.9738	11.7320	2.019	4.310-0
309	FLOMER	- 14	•	0.7712	1.5425	2-047	4.418-
310	LEAVES	175	1	17.4230	3.7430	7-507	1-408-0
311	STEM	_iżś	. i	39.7339	4.2839	1.379	2.958-0
312	PEELS	175	1	15.6044	1.0344	0.244	5.478-0
111	REAT	175	i	84.5000	1.9200	2,410	1.198-0
314	FRUIT	175	3	101.3167	12.3100	1.684	3-408-0
315	ROOT	175		5.6844	5.6846	24-072	<u> 5.148-0</u>

TABLE A- 4

			<u>PLANI UP</u>	TAKE SUMMARY	POTATO		
SOILI	DAKLEY :	SANDY L	DAN		co	NTAINER MA	MAER:
rad Ionu	CLIDE:	CE-144			9/	TE PLANTED	1.110
INLT LAL	SUIL A	CIIVITY	(D/3/GH	); 471.4Q		TE EMERGE	1 127
			NUMBER		COUNTING	SPECIFIC	
SAMPLE NUMBER	PART	IDAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GM)	ASU
401	LEAVES	74	1	48.0005	12-3305	67.398	1.438-0
402	STEM	76	1	47.0794	14-0494	15.313	3.258-0
403	<u>TUBER</u>	<del></del>	<del></del>	49-2470	32.2550	0.057	1-428-9
464 405	PERLS	76 74	•	<b>49.441</b> 5 18.1512	29.4255 18.1512	0.646 4.084	1.378-0
404	RODT	74		3.7323	3.7323	44.045	1.408-0
407	LEAVES	104	ž	13.1031	11-2562	130-139	2-748-0
468	STEM	104	2	15.2975	14.0505	30.074	6.378-0
409	TUBER	104	2	42,2753	30-9515	9.321	1-148-0
413	ROOT	104	2	2.0872	4.1745	54.311	1-248-0

TABLE A- 5

PLANT UPTAKE SUMMARY: POTATO												
SOILI	PLEASAN	ON LOAD			co	NTAINER MU	MARRI 1					
RAD I QNU	CLIDE:	CE-144			<u>D</u> A	TE PLANTED	: 110					
INITIAL	SOIL A	TIVITY	10/\$/GH	1: 480.60	DA	TE EMERGED	1 129					
SAMPLE	PLANT	AGE	NUMBER OF	DRY WEIGHT	COUNTING DRY WEIGHT	SPECIFIC	u					
NUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GH)						
501	LEAVES	104	2	19.4371	14-4841	19.411	4.048-02					
502	STEM	104	2	7,4148	19.2295	10.552	2.208-02					
503	TUBER	104		49.1490	27.4240	4.230	_8_808-01					
504	MEAT	104	ı	27.1302	27.1382	0.717	1.498-03					
505	PEELS	104		4-1642	4.1482	2.447	<u> 5.098-01</u>					
506	RCCT	104	2	2.6720	5.3440	24.048	5.428-01					

TABLE A- 6

CLAY  144  LTY (D/S/GH): 464.40  NUMBER E GF DRY WEIGHT YS) PLANTS (GM/PLANT)	DA	TE PLANTED TE EMERGED SPECIFIC ACTIVITY	: 110
ITY (D/S/GM): 468.40  NUMBER E OF DRY WEIGHT	COUNTING DRY WEIGHT	TE EMERGED	120
NUMBER E OF DRY WEIGHT	COUNTING DRY WEIGHT	SPECIFIC	
E OF DRY WEIGHT	DRY WEIGHT		
		ACTIVITY	A # 14
	( unang )	(D/S/GH)	ASU
4 4 14.9633	21.9030	57.736	1.238-01
4 4 11,3072	12.1509	6.741	1.448-02
4 3 31,6403	34.1008	1.422	3.048-0
4 1 75.6605	26.2105	1.648	3.528-03
			<u>1.283-01</u> 5.578-01
4	3 31.4403 1 75.4805 1 51.9955	3 31.4403 34.1008 1 75.4805 26.2105 1 51.9955 28.0155	3 31.6403 34.1008 1.622 1 75.6805 26.2105 1.648 1 51.9955 28.0155 0.600

TABLE A-

				TABLE A- 1			
			PLANT UP	TAKE SUBMAN	L CORN		
SOILL	CARLEY	SANGY L	940			MIAINER IN	
RADIONU	CLIPE	CE-144			0	TR PLANTED	1 110
INITIAL	SOIL	CTIVITY	(0/5/4	11 471.60		TR AMERICA	127
			NUMBER		COUNT I MG	SPECIFIC	
Sample Number	PLANT	(DAYS)	PLANTS	GRY MEIGHT	(GRANS)	(D)\$/GA)	ASU
791_	SHOOT	34_		9-5779	2.4675	10-777	2-298-01
702	SHOOT	47	15	1.0452	15.6745	13.200	2.818-0
704	LEAVES STALK	<u> 54</u>	<del></del>	0.3078	7.7966 2.7700	12.707	2.718-01
705	LEAVES	10	_ <u>i</u> _	4.5441	5.2961		8-948-0
706 707	STALK Leaves	70	3. 1	2.3074 40.5540	4.9223 7.0040	0.374 	7.978-0 4.858-0
708	STALK	- 84	1	46.4620	17.4350	0.442	1.348-0
709_	TASSEL	- 14	<del></del> -	3.3650	3.3850	<u> </u>	1.300-0
710 711	STLK	119	1 2	30.6210	E.0420	4.104	7.558-0
712	STALK	119	2	37-1843	13.9985	2-1169	4.388-0
<del>713</del> 714	TASSEL SILK	119 119		7.4100 2.0616	15.421 <u>9</u> 0.3265	la\\\\\\\	3.378-0
715	MUSK	119		49.2474	11,0405	0-127	1.248-4
716	KERNEL	119	4	74.0854 43.4280	45.1425 14.7520	0.331 1.367	4.999-0
			PLANT U	TAKE SUMMARY	: CORN		
EOILE.	PLEASAN	TGN. LOA	<u> </u>			INTAINER N	HEER:
	KL 10E:					ATE PLANTED	
INLILAL	SULA	CITATIA	(0/3/6)	1): 480.60		YE EMERGED	121
			NUMBER		COUNT ING	SPECIFIC	
iumber Iumber	PART PART	(DAYS)	PLANTS	(GM/PLANT)	(GRANS)	(D/S/SM)	ASU
801	SHOOT			0.1870	1.1220	4.440	9.458-0
802	SHOOT	94	<del>-</del>	0.3213	1.2050	7.589	2.508-0
803	LEAVES		<u>_</u>	9.6175	3.9851	5-404	1,173-0
804 _805	STALK	70 84	3	1.6458 25.1250	5.0675 6.7450	2.910 1.207	6.068-0 2.518-0
806	STALK	84	1	24.6175	15.2670	0.295	4.148-0
808	<u> Tassel</u>	119	<del>- }-</del>	4.1830	4.1830 6.5355	0.646	1.398-0 0.768-0
809	LEAVES STALK	119_	i	33.2055 26.5200	7-8600	4.209	4.638-0
810	TASSEL	119	2	3.7410	7.4820	0.524	1.098-0
812	SILK HUSK	119	-4-	2.1366 10.9478	10.7935	0.907	1.898-0 1.278-0
-113	KERMEL			19-16-1	27-2645	0.051	1.048-0
014	COB	119	4	24.8574	12.2510	0.718	1.498-0

TABLE A- 9

				TAK <u>E SUMMARY</u>			
501L1	CLEAR LA	IKE CLA	Y			MTAINER MU	MARA: S
RAQIONU	CLIDE;	CE-144			DA	TE PLANTED	1 110
INITIAL	SOIL A	TIVITY	(D/S/GH	11 448-40	0	TE EMERGED	1 127
			NUMBER		COUNTING	SPECIFIC	·
SAMPLE Number	PART	(DAYS)	OF	DRY WEIGHT (GM/PLANT)	ORY WEIGHT (GRAMS)	(D/S/GH)	ASU
901	SHOOT	34	6	0.4082	3.4495	7,356	1.578-0
902	SHOOT	47	15	0.7095	10.6419	13.006	2.788-02
903	<u>LEAVES</u> STALK	<del>- 54</del>	12	9-4113 0-1844	4.9354 2.2130	9.834	2.108-0
905	LEAVES	70		3.4390	4.8287	4,710	1,012-0
906	STALK	70	3	2.1976	4.5927	3.413	7.298-0
907	LEAVES	- 44		29.9410 33.6436	4-9910	0.024	2.838-0 5.628-0
909	STALK Tassel		i	4.2440	4.2640	0.574	1.238-0
110	LEAVES	119	1	25.1355	5.5355	5.316	1.138-0
112	STALK			31.0560	7-1540		1.918-0
912 913	TASSEL SILR	119	2	2.4440 2.1803	5.2880 4.8410	2.272	5.508-0
914	HUSK	119		13.8663	8.3990	0.959	2.058-0
915	KERNEL	119	3	34.2565	56.2195	0-425	9-014-0
916	COB	119	3	41.9196 TABLE A- 10	13.5567	0.712	1.528-0
916	COS			41.9196			1.528-0
	COB		PLANT UP	41.9196 TABLE A- 10	: MHEAT		
SGIL 8		SANDY L	PLANT UP	41.9196 TABLE A- 10	: WHEA1		MBER: 10
SGIL3	OAKLEY :	SANDY LI	PLANY UP	41.9196 TABLE A- 10	CO	INTAINER NA	MBER: 16
EGIL: RADIONU INITIAL	OAKLEY S	SANDY LI	PLANT UP  CC/S/GM	41.9196  TABLE A- 10  TAKE SUMMARY	COUNTING	INTAINER NUITE PLANTED TE EMERGEU SPECIFIC	MBER: 10 : 110 : 119
AGIL: RADIGNU	OAKLEY :	SANDY LI	PLANT UP  GAM  (C/S/GM  NUMBER  GF	41.9196 TABLE A- 10	CO CO	INTAINER NU ITE PLANTED ITE EMERGEU	MBER: 16
SGIL: RADIGNU INITIAL SAMPLE NUMBER	OAKLEY S CLIDE: SOIL AG PLANT PART	SANDY LI CE-144 CTIVITY AGE (DAYS)	PLANT UP  OAM  (E/S/GM  NUMBER  OF  PLANTS	TABLE A- 10 TAKE SUMMARY  JI 471.40  DRY BEIGHT (GM/PLART)	COUNTING DRY WEIGHT (GRAMS)	INTAINER NUITE PLANTED TE EMERGEU SPECIFIC ACTIVITY (D/S/GM)	MBER: 10: 119
ADIGNU INITIAL SAMPLE NUMBER	OAKLEY : CLIDE: SQIL AS PLANT PART SHOOT	SANDY LI	PLANT UP  CE/S/GM  NUMBER  GF PLANTS	41.9196  TABLE A- 10  TAKE SUMMARY  11 471.40  DRY bEIGHT (GM/PLANT)  G.0586 0.1829	COUNTING DRY MEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/GM)	MBER: 10 : 110 : 119 ASU 1.318-0; 3.718-0
GIL: RADIONU (NITIAL FAMPLE NUMBER 1001 1002	OAKLEY S CLIDE: SOIL AS PLANY PARY SHOOT SEL	AGE (DAYS)	PLANT UP  (C/S/GM  NUMBER  GE PLANTS  40  90 10	41.9196  TABLE A- 10  TAKE SUMMARY  11 471.40  DRY BEIGHT (GM/PLANT)  6.0346 0.1029 0.8336	COUNTING DRY MEIGHT (GRAMS)  2.3430 9.1459 9.3341	INTAINER NUITE PLANTED TE EMERGEL SPECIFIC ACTIVITY (D/S/GN) 6.164 17.527 2.520	MBER: 16 : 110 : 119 ASU 3.718-0: 5.342-0:
AADIGNU INITIAL SAMPLE NUMBER 1001 1002 1003 1004	OAKLEY : CLIDE: SQIL AS PLANT PART SHOOT \$1007 \$61. HEAD \$51.	SANDY 11  CE-144  TIVITY  AGE (DAYS)  28 39 54 70	PLANT UP  LE/S/GM  NUMBER  GF  PLANTS  10  10	41.9196  TABLE A- 10  TAKE SUMMARY  J: 471.40  DRY bEIGHT (GM, PLANT)  C.0346 0.1829 0.8336 0.1785 1.0192	COUNTING DRY MEIGHT (GRAMS)  2.3430 9.1459 9.3341 1.7850 10.1922	SPECIFIC ACTIVITY (D/S/GM)  17.527 2.520 0.668 1.721	MBER: 10 : 110 : 119  ASU  1.318-0: 3.718-0: 1.428-0: 1.428-0: 3.658-0:
ADIONU INITIAL SAMPLE NUMBER 1001 1002 1003 1004 1005	PLANY PARY SHOOT SEL HEAD	5ANDY LI CE-144 TIVITY AGE (DAYS) 28 39 39 34 70	PLANT UP  CC/S/GM  NUMBER  GE PLANTS  10 10 10	41.9196  TABLE A- 10  TAKE SUMMARY  11 471.40  DRY bEIGHT (GM/PLANT)  G.0346 0.1829 0.2336 0.1785 1.0192 0.3196	COUNTING DRY WEIGHT (GRAMS)  2.3430 9.1459 9.3341 1.7850 10.1922 3.1963	INTAINER NUITE PLANTED TE EMERGEL SPECIFIC ACTIVITY (D/S/GM)  6.164 17.527 2.520 0.648 1.721 0.385	MBER: 16 : 110 : 119 ASU 1.318-0: 3.718-0: 5.348-0: 1.428-0: 3.658-0: 8.158-0:
RADIGNU INITIAL SAMPLE NUMBER 1001 1002 1003 1004 1005	OAKLEY S CLIDE: SOIL AG PARY SHOOT SHOOT SHOOT SEL HEAD LEAVES	AGE (DAYS)  28 39 54 70 70	PLANT UP  OAM  (E/S/GM  NUMBER  OF  PLANTS  10  10  10  10	41.9196  TABLE A- 10  TAKE SUMMARY  J1 471.80  DRY bEIGHT (GM/PLANT)  G.0586 0.1029 0.8336 0.1785 1.0192 0.3196 0.1641	COUNTING DRY MEIGHT (GRAMS)  2.3430 9.1459 9.1459 10.1922 3.1963 1.4609	SPECIFIC ACTIVITY (D/S/GM)  6.164 17.527 2.520 0.648 1.721 0.385 3.461	MBER: 16 : 110 : 119  ASU  1:312-9: 3:718-0: 1:428-0: 1:428-0: 4:158-0: 6:158-0: 7:344-0: 7:344-0:
AGIL: RADIGNU (NITIAL  SAMPLE NUMBER  1001 1002 1003 1004 1005 1006	OAKLEY : CLIDE: SOIL AS PLANT PART SHOOT SKI MEAD SKI MEAD LEAVES STALK	5ANDY LI CE-144 TIVITY AGE (DAYS) 28 39 39 34 70	PLANT UP  CC/S/GM  NUMBER  GE PLANTS  10 10 10	41.9196  TABLE A- 10  TAKE SUMMARY  11 471.40  DRY bEIGHT (GM/PLANT)  6.0346 0.1029 0.8336 0.1705 1.0192 0.3196 0.1641 0.4501	COUNTING DRY MEIGHT (GRAMS)  2,3430 9,1459 4,3341 1,7850 10,1922 3,1963 1,4609 4,5009	SPECIFIC ACTIVITY (D/S/GM)  1.527 2.520 0.668 1.721 0.385 3.661 1.658	MBER: 10 : 110 : 119  ASU  1.318-0: 3.718-0: 1.428-0: 1.428-0: 3.658-0:
SGIL: RADIGNU INITIAL SAMPLE RUMBER 1001 1002 1003 1004 1005 1006 1009 1009	PLANT PART  SHOOT SHOOT SHOOT SHOOT SHOOT SHOOT SAL HEAD LEAVES STALK HEAD HEAD	AGE (DAYS)  28 39 54 70 70 70 84 4110	PLANT UP  (C/S/GM  NUMBER  QF  PLANTS  40  50  10  10  10  10  10  248	41.9196  TABLE A- 10  TAKE SUMMARY  J1 471.80  DRY BEIGHT (GM/PLANT)  G.0586 0.1829 0.8336 0.1785 1.0192 0.3196 0.1641 0.4501 0.5080 0.6281	COUNTING DRY WEIGHT (GRAMS)  2.3430 9.1459 9.3361 1.7850 10.1922 3.1963 1.4609 4.5009 5.0796 22.9800	SPECIFIC ACTIVITY (D/S/GN)	ASU  1.318-0; 3.718-0; 5.348-0; 1.428-0; 3.518-0; 2.928-0; 8.338-0; 8.338-0; 8.338-0; 8.338-0; 8.338-0;
SAMPLE NUMBER 1001 1002 1003 1004 1005 1009 1010	PLANT PART  SHOOT SKL HEAD LEAVES STALK HEAD STALK	AGE (DAYS)  28 39 54 70 70 70 84 81 110	PLANT UP  CAM  IC/S/GM  NUMBER  QF  PLANTS  40  10  10  10  10  10  248  248	41.9196  TABLE A- 10  TAKE SUMMARY  J1 471.80  DRY bEIGHT (GM/PLANT)  G.0386  0.1829  Q.8336  0.1785  1.0192  0.3196  0.4641 0.4501 0.5080 0.6281 0.6945	COUNTING DRY MEIGHT (GRAMS)  2.3430 9.1459 9.3341 1.7850 10.1922 3.1963 1.6409 4.5009 5.0796 22.9800 10.4185	SPECIFIC ACTIVITY (D/S/GM) 6.164 17.527 2.520 0.648 1.721 0.385 3.461 1.658 1.378 0.393 0.782	MBER: 10 : 110 : 119 
SGIL: RADIGNU INITIAL SAMPLE RUMBER 1001 1002 1003 1004 1005 1006 1009 1009	PLANT PART  SHOOT SHOOT SHOOT SHOOT SHOOT SHOOT SAL HEAD LEAVES STALK HEAD HEAD	AGE (DAYS)  28 39 54 70 70 70 84 4110	PLANT UP  (C/S/GM  NUMBER  QF  PLANTS  40  50  10  10  10  10  10  248	41.9196  TABLE A- 10  TAKE SUMMARY  J1 471.80  DRY BEIGHT (GM/PLANT)  G.0586 0.1829 0.8336 0.1785 1.0192 0.3196 0.1641 0.4501 0.5080 0.6281	COUNTING DRY WEIGHT (GRAMS)  2.3430 9.1459 9.3361 1.7850 10.1922 3.1963 1.4609 4.5009 5.0796 22.9800	SPECIFIC ACTIVITY (D/S/GN)	ASU  1.318-0; 3.718-0; 5.348-0; 1.428-0; 3.518-0; 2.928-0; 8.338-0; 8.338-0; 8.338-0; 8.338-0;

TABLE A- 11

201L:_	DAKLEY	SANCY L	CAM			MTAINER M	
	ICL 1DE1					TE PLANTED	
INITIAL	SOIL A	CITATIA	ID/\$/4	11.471.40		TE EMERGEO	1119
SAMPLE	PLANT	AGR	NUMBER	DRY MEIGHT	COUNTING DRY WRIGHT	SPECIFIC	ASU
RSONUM	PART		PLANTS	(GH/PLANT)	(GRAMS)	(D/S/GH)	Bey_
1101	SHOOT	. 24	40	0.0562	2.2445	\$4.764	1.410-
1102	SHOOT	39	50	0.2349	11.7445	14.907	3.148-
1101 1104	MEAD	<del>- 54</del>	19	0.1623	10.2554 1.2764	3.934 6.580	1.398-
1105	SEL	70	<u>1ò</u>	0.1794	9.7965	3,238	4.444-
1104	HEAD	70	10	0.2744	2.7657	10.307	2-188-
1107	<u>Leaves</u> Stalk		10 10	0.2573	2.5727 4.7349	2.059	4.348-
1109	MEAD	. 14	10	0.4931	4.9314	0.726	1.568-
1110	HEAD	110	308	0.5373	19.3542	0.574	1.220-
1112	LEAVES	<u> 110</u> -	398	0.3132	11.9150	<u>0.670</u> 2.609	5.938-
iiii	GRAIM	110	298	0.3177	20.0000	0.431	1.348-
1114	CHAFF	110	298	0.0393	5.0000	4.456	1.458-
			PLANT UP	TABLE A- 12			
			·				
	DAKLEY_!		·		i wheat	INTATHER NA	
SCIL:	DAKLEY !	CE-144	1AM	TAKE SUMMARY	I WHEAT CO	NTATHER MU	MBER: 110
SCIL:	DAKLEY !	CE-144	1AM	TAKE SUMMARY	I WHEAT CO	NTATHER MU	MBER: 110
SCIL: PADIONU LHITIAL	OAKLEY SOIL A	GE-199	LD/S/GH	TAKE SUMMARY	COUNTING	INTACHER MAINTED TE EMRAGED SPECIFIC	MAPR: 110
GGIL: PADIGNU LHITIAL	OAKLEY SOIL A	GE-164 CTIVITY	LD/S/GH	TAKE SUMMARY	CO DA	INTALMER MU TE PLANTED TE ENRAGED	MBER: 110
SCIL: RADIONU IMITIAL SAMPLE NUMBER	DAKLEY : SCIL AT PLANT PART SHOOT	GANDY LE	LD/S/GH NUMBER OF PLANTS	DRY MEIGHT	COUNTING DRY WEIGHT	TE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GR)	MAPR: 110 : 119
SCIL: RADIONU LHITIAL SAMPLE NUMBER	SOIL AT	SANDY LI CE-144 CTIVITY AGE (DAYS)	LD/S/GH NUMBER OF PLANTS	DRY NEIGHT	COUNTING DRY MEIGHT (GRAMS)	TE PLANTED TE EMRAGED SPECIFIC ACTIVITY (D/S/GN) 5.758	MBER: 110 :: 119
COL: CADIONU LHITIAL LAMPLE NUMBER	DAKLEY :  SCIL ANT PART  SHOOT SHOOT SHOOT	GANDY LE	ID/S/GH NUMBER OF PLANTS	DRY NEIGHT (GM/PLANT)	COUNTING DRY WEIGHT	SPECIFIC ACTIVITY (D/S/GN)	MBER: : 110 : 119 ASU 2-038-0
ADIONU LHITIAL LAMPLE NUMBER 1201 1202 1203 1204 1204	CALLEY SOIL AS PLANT PART SHOOT SHOOT SHOOT SEL MEAD	AGE (DAYS)	NUMBER OF PLANTS	DRY NEIGHT (GM/PLANT)	COUNTING DRY WEIGHT (GRAMS)  2.3145 12.0900 9.0607 11.9860 2.88468	SPECIFIC ACTIVITY (D/S/GN) 5.948 4.700 2.200 0.031	110 110 1119 ASU 2.039-0 2.039-0 4.068-0 6.518-0
ADIONULHITIAL LAMPLE RUMBER 1201 1202 1203 1204 1205	SOIL AND PLANT PART SHOOT SHOOT SEL MEAD LEAVES	SANDY_LI CE-194 CTIVITY AGE (DAYS) 28 39 54 70 70	NUMBER OF PLANTS	DRY NEIGHT (GM/PLANT)  - 0.0579 - 0.2414 - 0.8961 - 1.1984 - 0.2847 - 0.3343	COUNTING DRY WEIGHT (GRAMS)  2.3145 12.0900 8.0607 11.9860 2.8468 3.3425	SPECIFIC ACTIVITY (D/S/GN)  5.248 6.548 4.700 2.200 0.931 21.462	110 2.038-( 2.038-( 9.948-( 4.658-( 4.538-(
IGIL: RADIGNU LHITIAL LAMPLE RUMBER 1201 1202 1204 1205 1207	DAKLEY SIGLIDE: SOIL ASSESSMENT SHOOT SHOOT SAL MEAD LEAVES STALK	AGE (DAYS)  28 39 70 70 84	NUMBER OF PLANTS  40 50 10 10 10	DRY MEIGHT (GM/PLANT)	COUNTING DRY WEIGHT (GRAMS)  2,3145 12,0900 0,0607 11,9860 2,8446 3,3425 6,4226	SPECIFIC ACTIVITY (D/S/GN)  5.948 9.548 4.700 2.200 0.031 21.462 2.779	120 110 117 ASU 12030-0 2-030-0 4-040-0 4-558-0 4-558-0
ADIONU LAMPLE RUMBER 1201 1202 1204 1205 1206 1207 1208 1208	SOIL AND PLANT PART SHOOT SHOOT SEL MEAD LEAVES	SANDY_LI CE-194 CTIVITY AGE (DAYS) 28 39 54 70 70	NUMBER OF PLANTS	DRY NEIGHT (GM/PLANT)  - 0.0579 - 0.2414 - 0.8961 - 1.1984 - 0.2847 - 0.3343	COUNTING DRY WEIGHT (GRANS)  2,3145 12,0908 8,0607 11,9860 2,8446 3,3425 6,4226 4,7277 18,9440	SPECIFIC ACTIVITY (D/S/GN)  5.248 6.548 4.700 2.200 0.931 21.462	110 110 110 2.039-( 9.948-( 4.538-( 4.538-( 4.188-( 4.188-( 2.328-( 2.328-(
EGIL: RADIGNU LHITIAL LAMPLE NUMBER 1201 1204 1205 1206 1207 1208 1208	PLANT PART  SHOOT SHOOT SHOOT SAL MEAD LEAVES STALK HEAD MEAD STALR	AGE (DAYS)  28 39 70 70 84 84 110	1D/S/GH NUMBER QF PLANTS 40 50 10 10 10 10 307 307	DRY MEIGHT (GM/PLANT) 	COUNTING DRY WEIGHT (GRAMS)  2,3145 12,0908 8,0607 11,9860 2,8466 3,3425 4,7277 14,9440 6,4202	SPECIFIC ACTIVITY (D/S/GN)  5.948 9.548 9.548 4.700 2.200 0.011 21.442 2.779 1.972 1.096 1.287	110 119 128 2.039-( 4.049-( 4.518-( 4.188-( 2.328-( 2.328-( 2.328-( 2.328-( 2.328-( 2.328-(
SCIL: PADIONU LHITIAL SAMPLE NUMBER 1201 1202 1203 1204 1207 1208	SOIL AND PLANT PART SHOOT SHOOT SHOOT SEL MEAD LEAVES STALK HEAD HEAD HEAD HEAD HEAD HEAD HEAD HEAD	AGE (DAYS)  28 39 54 70 70 84 84	1D/S/GH NUMBER QF PLANTS 40 10 10 10 10 10 10	DRY NEIGHT (GM/PLANT)  Q.0579 Q.2414 Q.8041 1.1784 Q.2447 Q.3343 Q.4423 Q.4728 Q.5753	COUNTING DRY WEIGHT (GRANS)  2,3145 12,0908 8,0607 11,9860 2,8446 3,3425 6,4226 4,7277 18,9440	SPECIFIC ACTIVITY (D/S/GM)  2 948 4-700 2-200 2-1042 2-779 1-972 1-074	110 110 110 2.039-( 9.948-( 4.538-( 4.538-( 4.188-( 4.188-( 2.328-( 2.328-(

TABLE A- 13

							· · · · · · · · · · · · · · · · · · ·
SCILI	PLEASANT	ON LOA				MTAINER_MA	HEER:1
RAD IONU	CLIDE:	GE-144		·	0A	<u>te planted</u>	110
INITIAL	SGIL AC	TIVITY	10/5/GM	1 480-40	- CA	TE EMERGED	: 119
			NUMBER		COUNTING	SPECIFIC	
SAMPLE NUMBER	PART	(DAYS)	PLANTS	IGM/PLANT)	(GRAMS)	(O/S/GH)	ASU
1301	SHOOT	21	40	0.0121	2.9007	4.944	1.028-0
1302	SHOOT	39	50	0.1991	9.0557	4.034	1.428-0
1303	<u>SHOOT</u> Sel	<u>54</u>	10 10	0.8313 1.2147	4.3131 12.1473	<u>1.253</u> 2.952	2.618-0
1305	HEAD	70	<u> 10</u>	0.3193	3.1930	1.095	2.288-0
1306	LEAVES	14	10	0.3104	3.1037	7-146	1.658-0
1307	STALK HEAD	84	10	0.5400	3.4004	0.050	2.908-0
1309	HEAD	110	383	0.4582	19.7629	0.483	1-848-6
1310	STALK	110	383	0.5269	5.9745	2.902	6.048-0
1311	<u>LEAVES</u> GRAIN		383 373	<u>3.311</u> 9	7.0660 20.0000	2.804 \\.785	3-848-1 1-638-0
1312 1313	CHAFF	110 _110 _	373	0.4362	5.0000	0.090	1.161-
				TABLE A- 1			
	- <del></del>		PLANT UP	TABLE A- 1	<del></del>		
SCILI	PLEASAN	ION LOA			Y: WHEAT	IN_REMIATE	IMBER:
	PLEASAN		\H	TAKE SUMMAR	Y: WHEAT		
RAD LONG	ICL IDE:	CE-144	M	TAKE SUMMAR	Y: WHEAT CO		: 110
RADION	SCIL A	CE-144	(D/S/G)	TAKE SUMMAR'	Y: MHEAT CO	TE PLANTED TE EMERGED SPECIFIC	110
RADION	ICL IDE:	CE-144	LD/S/GP	TAKE SUMMAR	Y: MHEAT CO	TE PLANTED	: 110
RADIONI INITIAI SAMPLE	SGIL A	CE-144 CTIVITY	LO/S/GE	TAKE SUMMAR'  1): 480.60  DRY HEIGHT (GM/PLANT)	COUNTING	ATE PLANTED ATE EMEAGED  SPECIFIC ACTIVITY (D/S/GM)	1: 110 1: 119 ASU
SAMPLE NUMBER	PLANT PART SHOOT	CE-144 CTIVITY  AGE (DAYS)	NUMBER OF PLANTS	TAKE SUMMAR'  1): 480.60  DRY MEIGHT (GM/PLANT)  0.0409 0.1723	COUNTING DRY MEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/GM)  6-011 7-577	1: 110 2: 119 ASU 1:258-
SAMPLE AUMBER 1401 1402 1403	PLANT PART SHOOT SEL	CE-144 CTIVITY  AGE (DAYS)  28 39 54	NUMBER OF PLANTS	DRY MEIGHT (GM/PLANT)  0.0409 0.1723 0.0991	COUNTING DRY MEIGHT (GRAMS)  2.4375 8.6160 6.97909	SPECIFIC ACTIVITY (D/S/GH)  6-011 7-577	ASU  1.589- 3.432-
SAMPLE NUMBER	PLANT PART SHOOT	CE-144 CTIVITY  AGE (DAYS)	NUMBER OF PLANTS	TAKE SUMMAR'  1): 480.60  DRY MEIGHT (GM/PLANT)  0.0409 0.1723	COUNTING DRY MEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/GH)  4-011 7.577 1-745 0-392	ASU  1.258- 1.588- 3.638- 8.108-
SAMPLE NUMBER 1401 1402 1403 1404 1405	PLANT PARY  SHOOT SHOOT SEA HEAD SEA HEAD	AGE (DAYS)	NUMBER OF PLANTS	DRY MEIGHT (GM/PLANT)  0.0409 0.1723 0.04991 0.1042 1.0750 0.3029	COUNTING DRY WEIGHT (GRAMS)  2.4375 8.6160 6.9909 1.6423 10.7904 3.0295	SPECIFIC ACTIVITY (D/S/GH)  6-01: 7-577 1-745 0-392 1-851	ASU 1.258- 1.588- 3.638- 8.168- 3.038- 3.038-
RAD LONG  LALTIAN  SAMPLE AUMBER  1401 1402 1404 1405 1406	PLANT PART SMOOT SMOOT SEL MEAD SEL HEAD LEAVES	AGE (DAYS) 28 39 54 54 70 84	NUMBER OF PLANTS  40 : 50 : 10 : 10 : 10 : 10 : 10 : 10 : 1	DRY MEIGHT (GM/PLANT)  0.0409 0.1723 0.6991 0.1642 1.0750 0.3029 0.2252	COUNTING DRY MEIGHT (GRAMS)  2.4375 8.4160 6.9909 1.4423 10.7504 3.0295 2.22521	SPECIFIC ACTIVITY (0/S/GH)	ASV
SAMPLE NUMBER 1401 1402 1403 1404 1405 1406 1407 1408	PLANT PART  SMOOT SHOOT SAL HEAD LEAVES STALK	AGE (DAYS) 28 39 54 10 70	NUMBER OF PLANTS  40 50 10 10 10 10	DRY WEIGHT (GM/PLANT)  0.0409 0.1723 0.0991 0.1042 1.0750 0.3029 0.2252 0.4646	COUNTING DRY MEIGHT (GRAMS)  2.4375 8.6160 4.9909 1.6423 10.7594 3.0295 2.2521 6.6457	SPECIFIC ACTIVITY (D/S/GM)	1: 110 ASU 1: 258- 1: 503- 5: 618- 6: 108- 3: 958- 1: 618- 6: 028- 6: 028-
RAD LONG  LALTIAN  SAMPLE AUMBER  1401 1402 1404 1405 1406	PLANT PART SHOOT SHOOT SEL HEAD LEAVES STALK HEAD HEAD	AGE (DAYS) 28 39 54 54 70 84	NUMBER OF PLANTS  50 10 20 10 10 10 10 10 393	DRY MEIGHT (GM/PLANT)  0.0409 0.1723 0.6991 0.1642 1.0750 0.3029 0.2252	COUNTING DRY MEIGHT (GRAMS)  2.4375 8.6160 6.9909 1.6423 10.7504 3.0295 2.2521 6.6457 6.5349 21.9265	SPECIFIC ACTIVITY (0/S/GH)	1: 110 ASU 1: 258- 1: 588- 3: 618- 3: 618- 3: 618- 4: 618- 6: 928- 1: 618- 6: 928- 1: 618- 6: 928- 1: 618-
SAMPLE NUMBER 1401 1402 1403 1404 1405 1406 1407 1408 1409 1411	PLANT PART  SMOOT SHOOT SAL HEAD LEAVES STALK HEAD STALK HEAD STALK	GE-144 GTIVITY  AGE (DAYS)  28 39 54 70 70 64 84 84 81	NUMBER OF PLANTS  40 50 10 10 10 10 10 10 10 10 10 10 10 10 10	DRY MEIGHT (GM/PLANT)  0.0409 0.1723 0.0901 0.10750 0.3029 0.2252 0.4646 0.4934 0.7495 0.25366	COUNTING DRY MEIGHT (GRAMS)  2.4375 8.6160 4.9709 1.6423 10.7594 3.0295 4.5345 21.9265 8.0370	SPECIFIC ACTIVITY (D/S/GM)	1: 110 2: 119 ASU 1:598- 3:438- 3:038- 3:038- 3:058- 1:598- 2:678- 2:678- 2:658-
RAD IONI LINITIAI  SAMPLE NUMBER  1401 1402 1403 1404 1405 1406 1407 1408 1409	PLANT PART SHOOT SHOOT SEL HEAD LEAVES STALK HEAD HEAD	GE-144 GTIVITY  AGE (DAYS)  28 39 54 70 70 64 84 84 81	NUMBER OF PLANTS  50 10 20 10 10 10 10 10 393	DRY MEIGHT (GM/PLANT)  Q.0409 Q.1723 Q.6991 Q.1642 1.0750 Q.3029 Q.3029 Q.4646 Q.4524 Q.7495	COUNTING DRY MEIGHT (GRAMS)  2.4375 8.6160 6.9909 1.6423 10.7504 3.0295 2.2521 6.6457 6.5349 21.9265	SPECIFIC ACTIVITY (D/S/GH)  6-011 7.577 1.745 0.392 1.451 7.727 3.324 0.254	1: 119  ASU  1: 238- 1: 588- 3: 518- 3: 518- 3: 618- 3

TABLE A- 13

				TABLE A- 13	·		
			PLANT NP	TAKE SUMMARY	I WHEAT		
80LL1	PLEASAN	LON. LOA	L			MIALMS IN	mga 1 11
RADIONN	CLIDEL	CE-199			94	TR. PLANTER	1110
INITIAL	SOIL	TIVETY	19/3/95	11 488.68		TR. SACRAGE	1 119
SAMPLE	PLAKT	465	tortech OF	RRY WEIGHT	COUNT ME	SPECIFIC VILVITAL	484
NUMBER	PART	(OAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(0/1/0A)	
1501	SHOOT	20	40	0.0413	2.5324	2,044	5-130-01
1502	SHOOT	39 - \$4	90 10	0.1552 0.4304	7.7589	1,629	1.000-02
1504	HEAD	54	•	0.1619	1.4560	1.274	2.458-43
1905	HEAD	70	10	0.9131 0.3010	3.0078	9. <b>94</b> 9	1,212-61 7,618-61
1507	LEAVES		16	9.2486	2.6858	3.611	1-498-62
1500	STALK HEAD	84 84	10 10	0.7004 0.6726	7.0438	0.891	1.048-03
1510	HEAD STALK	116	366 366	0.6421 0.5143	19.5442	0.017 1.704	1.438-43
1512	LEAVES	110	366	0.2435	1.5495	3,217	4,418-01
	GRAIN		356	0.3940	20.0000	0.479	1.742-01 4.278-01
1514	CHAFF	110	350	0.0342	5.0000	3.022	
1313	CMAPP				5.0000	3,022	4,234-63
1513	CLEAR LA		PLANT UP	0.0962 TABLE A- 16	5.0000	3.022	
1513 1514		AKE CLA	PLANT UP	TABLE A- 16	5.0000		MAER: 14
1913 1914 SQLLE	CLEAR LA	AKE GLA	PLANT UP	TABLE A- 16	S-0000	MTA LHER MA	MARR: 14
SGILE RADIONU	CLEAR LA CLIDEI SOIL A	AKE CLA CE-144	PLANT UP Y.  (D/S/GM	7AGLE A- 14 TAKE SUMMARY	S.0000  S.0000  S.0000  S.0000	OMTAINER MA ATE PLANTED ATE EMERGED SPÉCIFIC	MARR: 14
1913 1914 SQLLE	CLEAR LA	AKR CLA CR-144 CTIVITY	PLANT MP Y	TABLE A- 14	S-0000	OMTATHER MA LTE PLANTED LTE EMERGED	MARR: 14
SGIL: RADIONU IMITIAL	CLEAR LA	AKR CLA CR-144 CTIVITY	PLANT UP Y	TABLE A- 16 TAKE SUMMARY	S.0000  S.0000  COUNTING ORY MEIGHT	MTAINER MATE PLANTED ATE FREEDS	MARR: 14
SGILL RADIONY INITIAL SAMPLE NUMBER	CLEAR LA CLIDE: SGIL AM PLANT PART SHOOT	AKE GLA CR-144 CIIVITY AGE (OAVS)	PLANT UP Y.  (D/S/SM NUMBER OF FLANTS 40 50	TABLE A- 14 TAKE SUMMARY  D: 448.40  ORY MEIGHT (GM/PLANT)  0.0530 0.2131	COUNTING RY MEIGHT (SAAMS)	SPECIFIC ACTIVITY (D/3/GH)	MAER: 14
SGILE RADIONU INITIAL SARPLA NUMBER 1401 1402 1403	CLEAR LACE SOIL ACCORDING TO SOIL ACCORDING TO SELL MEAD	AKE CLA  GE-144  CIIVITY  AGE (OAVS)  28 29 54	PLANT UP Y  (D/S/SM  NUMBER  OF FLANTS  40  50	0.0362  TAGLE A- 16  TAKE SUMMARY  (): 448.49  ORY MRIGHT  (GM/PLANT)  0.0520 0.2131 0.0687 0.1073	5.0000  5.0000  COUNTINE  RRY MEIGHT  (SRANS)  2.1182 10.4553 1.4857	SPÉCIPIC ACTIVITY ID/3/GH)	#AFR: 14 1: 110 1: 119 A1U 4.178-01 1.038-02 1.198-03
SGILL RADIGNU INITIAL SARPLE NUMBER 1401 1402 1403 1403 1404	CLEAR LA CLIDE: SGIL AM PLANT PARY SHOOT SHOOT SEL HEAD SEL	AKE GLA CR-144 CIJVITY AGE (OAVS) 28 39 54 54	PLANT UP Y LD/S/SM NUMBER OF FLANTS 40 50 19 10	0.0362  TAGLE A- 16  TAKE SUMMARY  ORY MEIGHT (GM/PLANT)  0.0530 0.2131 0.8647 0.1073 1.0646	COUNTING ORY MEIGHT (SAANS)  2.11.2.10.4553 8.4557 1.4557	SPECIFIC ACTIVITY (D/3/GH)  2.891 4.833 9.513 9.649	4.178-03 1.00-03 1.030-03 1.030-03 1.390-03 1.390-03
SGILE RADIONU INITIAL SARPLE NUMBER 1401 1402 1402 1404 1405 1406	CLEAR LA CLIDE: SOIL AG PLANT PARY SHOOT SHOOT SEL HEAD LEAVES	AKE CLA CE-144 CTIVITY  AGE (OAVS) 28 39 54 70 84	PLANT UP Y  LD/S/SM  NUMBER OF FLANTS  40 50 17 19 10	0.0362  TAGLE A- 16  TAKE SUMMARY  (SM/PLANT)  0.0530 0.2131 0.0647 0.1073 1.0644 0.2770	5.0000  5.0000  COUNTINE RRY WEIGHT (GRANS)  2.1182 10.6553 8.8847 1.6857 10.6462 2.7238 2.7700	SPECIFIC ACTIVITY (D/3/GH)  2.891 4.033 0.813 0.649 2.411 1.024	ASU  4.178-03 1.032-02 1.102-03 1.152-03 2.578-03
1813 1514 1514 SARPLE RADIONU INITIAL 1401 1402 1403 1404 1405 1406 1407 1408	CLEAR LA CLIDE: SGIL AM PARY SHOOT SHOOT SEL HEAD SIL HEAD SIL HEAD SIL HEAD SIL HEAD SIL HEAD SIL	AKE GLA CR-144 C11V1TY  AGE (0AVS) 28 39 54 70 70 64	PLANT UP Y LD/S/SM NUMBER OF FLANTS 40 10 10	0.0362  TAGLE A- 16  TAKE SUMMARY  ORY MEIGHT  (GM/PLANT)  0.0510 0.2131 0.8677 0.1073 1.0646 0.2924 0.2770 0.6405	COUNTINE QUE WEIGHT (GRANS)  2.1182 10.653 2.657 1.687 10.662 2.728 2.728	SPÉCIPIC ACTIVITY (D/3/GH) 2.891 4.033 0.513 0.649 2.491 1.024 1.203	4.178-03 1.032-02 1.032-03 1.378-03 1.378-03 3.152-03 3.453-03 3.453-03 3.072-03
1513 1514 1514 1514 1514 1611 1602 1602 1604 1603 1604 1605 1608	CLEAR LA CLIDE! SOIL AM PLANT PARY SHOOT SEL HEAD SEL HEAD LEAVES STALK HEAD HEAD	AGE (0AVS)  28 29 29 20 70 84 84 81	PLANT UP  Y  10/3/94  NUMBER  0F  FLANTS  40  10  10  10  10  310	0.0362  TAGLE A- 16  TAKE SUMMARY  (GR/PLANT)  0.0520 0.2131 0.0687 0.1073 1.0466 0.2924 0.2770 0.0407 0.6073 0.6073	5.0000  5.0000  COUNTINE  RRY MEIGHT  (SRANS)  2.1182 10.4553 1.4857 10.4462 2.7700 6.4053 6.4053 1.4053	SPECIFIC ACTIVITY (D/3/GH)  2.891 4.833 0.513 0.649 2.911 1.824 1.203 1.448 0.008	#### 1 14 1 119 2 119 4.178-93 1.032-02 1.192-03 1.192-03 1.192-03 1.292-03 1.292-03 1.292-03 1.442-04
3GILI RADIONU IMITIAL SAMPLE NUMBER 1401 1402 1403 1404 1405 1406 1407 1408	CLEAR LA CLIDE! SOIL AM PLAMT PART SHOOT SHOOT SEL HEAD LEAVES STALK HEAD	AKE CLA CE-144 CTIVITY AGE (OAVS) 28 39 39 34 70 84	PLANT UP Y  ID/S/GH  NUMBER  OF FLANTS  40 10 10 10 10	O.0362  TAGLE A- 16  TAKE SUMMARY  ORY MEIGHT  (GM/PLANT)  0.0330 0.2131 0.0687 0.1073 0.0496 0.2924 0.2770 0.04073	COUNTING QF WEIGHT (SAANS)  2.1182 2.04553 8.4657 1.4857 1.4857 2.7100 8.4053 8.40727	SPECIFIC ACTIVITY (D/3/6H)  2.891 4.033 9.513 0.649 2.411 1.024 1.203	MARR: 14

TABLE A- 17

			LANT UP	TANE SYMPARY	i infai		
SCIL:	CLEAR L	KE CLA	Y			NTAIMER M	MBER: 17
RADIONU	CLIDE:	CE-144			04	TE PLANTED	: 110
LINITIAL	SOIL A	TIVITY	10/2/98	11 444-40		TE EMBREED	-119
			NUMBER		COUNTING	SPECIFIC	
SAMPLE	PLANT	AGE	<u>or</u>	DRY WEIGHT	DRY MEIGHT	ACTIVITY	ASU
NUMBER	PART	(CAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GM)	
1701	SHOOT	28	40	0.0543	2.2502	2,491	5.758-01
1702	SHOOT	39	50	0.2448	12,2421	5.854	1.258-02
1703	SHOOT	54	10	0.7843	7.4420	3.234	4.904-03
1704	SEL	70	10	1.0449	10.4687	1.284	2.748-03
1705	HEAD	70	10	0.2773	2.7733	1.449	1-604-03
1704	LEAVES	84	10	0.2635	2.6352	3.444	7.838-03
1707_	STALK	6		0.6897	4. 1974		1.348-01
1708	HEAD	84	10	0.4430	4.4295	0.113	2.428-04
1709	HEAD		399	0.6222	19.3248	0.470	<u> </u>
1710	STALK	110	399	0.6241	4,9315	3,100	4.438-03
-1711	LEAVES		399	<u> </u>	9.2730	2.021	4.328-03
1712 1713	GRAIN CHAFF	141 141	3 <b>89</b> 3 <b>8</b> 9	0.4075 0.0318	20.0000 5.0000	0.414	1.838-04
	LEAFE		389		2.0000	Venzu	76216-87

TARLE A- 18

iort:	GLEAR LA	KE CLA	<u> </u>		co	NTAINER NUM	MER: 1
AD TONU	CL IDE:	CE-144			DA	TE PLANTED:	110
NITIAL	SOIL AC	TIVITY	(D/S/GM)	1: 460-40	0A	TE EMERGED:	_119
			NUMBER		COUNTING	SPECIFIC	
AMPLE	PLANT	AGE	OF	DRY MEIGHT	DRY HEIGHT	ACTIVITY_	ASU
UMBER	PART	(DAYS)	PLANTS	(GH/PLANT)	(GRAMS)	(D/S/GM)	
1001	SHOOT	24	40	0.0577	2.3067	1.445	3.092-0
1905	SHOOT	39	50	0.1975	1.8759		1-118-0
1803	SHCOT	54	. 10	0.8454	4.4540	3.254	6-958-0
1804	SEL	70	10	1.0640	10,6603	2.743	5-868-0
1805	HEAD	70	10	0.2832	2.8324	0.073	1.568-0
1804	LEAVES	84	10	0-2618	2.6102	3.450	8-3C8-0
1807	STALK	84	. 10	0.5304	5,3045	0.670	1.438-0
1808	HEAD	14	10	0-5425	5.4247	0.931	1.998-0
1809	HEAD	110	376	0.6660	24-0997	0.405	8-648-0
1810	STALK	110	376	0.5471	5.4230	1.409	3-018-0
1811	LEAVES	110	376	0.2506	5.3775	3-118	6-468-0
1812	GRAIN	141	366	0.4334	20.0000	0.440	9-408-0
1813	CHAFF	141	366	0.0350	5.0000	1.034	2-218-0

\$01L1	OAFLEY :	AMOY L	CAN		66	NTAINER MA	MAKAL_1
RADIONU	CLIDEL	RU-104			DA	TR PLANTED	1110
INITIAL	SCIL A	ETIVITY.	LD/S/68	243-49	04	TR. EMERGED	1_127
SAMPLE	PLANT	AGE	MUNDER	DRY WEIGHT	COUNTING DRY WEIGHT	SPECIFIC ACTIVITY	URA .
NUMBER	PART		PLANTS	(GM/PLANT)	(GRAMS)	(D/\$/6H)	
1901	SHOOT	34	20	0.0717	1.4343	31.203	1.528-0
1902	VINE	47	25	0.1-55	4.1375	25.349	1.238-0
1903	VINE	94		<u>G-3001</u> _	3.3045	22.950	وحيناما
1904	LEAVES	70	3	1.944	8.8450	14.451	0.003-0
1905	STEM	70			3,4441	4-129	1.041-0
1706	LEAVES	14	1	19.4201	19.6201	14.854	7.222-0
1907	<u> sien</u>	<u> </u>	<u>-</u>	17-3155	6.7850	1.304	<u> </u>
1908	FLOWER	.84	1	0.5745	0.5765	18.926	1.201-0
1909	STEM	175	<del></del> +	14.7754	4.0554 5.3525	21.208	1.018-0 1.178-0
1911	PEELS	175	•	17.1521	1.3421	1.126	5.478-0
1912	MEAT	175	<del>- 1</del>	13.2900	3.7300	2.064	1.005-0
1913	FRUIT	iii	•	119.3967	14.7700	1.335	4.418-0
1914	ROCT	175		4.4188	4.4900	15.493	7-538-0

PLANT UPTAKE SUMNARY: TOMATO											
SOIL:	PLEASAN	TON LOA	<u> </u>		<u>cc</u>	NTAINER M	MBERI 20				
RADIONU	CLIDE	RU-104			DA	TE PLANTED	1 110				
INLTIAL	SOIL A	STIVITY	(0/3/6)	1: 209.50	0	TE ENERGEC	11.121				
SAMPLG NUMBER	PLANT PART	AGE (DAYS)	NUMBER CF PLANTS	DRY MEIGHT	COUNTING ORY WEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/6M)	ASU				
2001	VINE	47	20	0.2320	4.6560	14.533	7.011-02				
2002	VINE	54	3	0.4113	1.2339	7.486	3.578-02				
2003	LEAVES	70		2.9717	149151	6.973	3.338-02				
2004	STEM	70	3	1.8332	5.4995	3.808	1.044-02				
2005	LEAVES	- 44		13.5145	13.5145	3.134	1.508-02				
2006	STEM	84	1	12.2710	12.2710	0.512	2.441-03				
2007	FLOWER	84		9.9970	0,9970	5.004	<u> </u>				
2008	LEAVES	175	ı	22.7548	4.5048	4-141	1.988-02				
2009	STEH	175		40.9742	5.8442	0.421	2.153-01				
2010	PEELS	175	1	20.4687	0.7387	2.625	1.252-02				
2011	MEAT	175	<u>_</u>	114-0200	2.1900	1.230	2.214-01				
2012 2013	FRUIT	175 175	•	133.1667	4.7900 5.5764	44.809	2.214-02 2.144-01				

TABLE A- 21

PLANT UPTAKE SUMMARYE POTATO											
SOILI	DAKLEY	LANDY L	DAM			MTAINER NU	MBER: 21				
BADIONL	CL1DE:	RU-104			D4	TE PLANTED	1 110				
INITIAL	SOIL A	ETTATTA	(D/3/GH	0	TE EMERGED	1 129					
SAMPLE	PLANT	AGE (DAYS)	NUMBER OF PLANTS	RRY MEIGHT	COUNTING DRY WEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/3/GM)	ASU				
2101	LEAVES		1	22.1423	19.2270	52.494	2-568-01				
2102	STEM	104	3	21-1748 77-4000	17.4245	9.323	4.538-02				
2104 2105	HEAT	104	<u> </u>	42.8990	42.8990	0.574	2.798-01				
	ROOT	104		11.9140	11.9140 5.8270	73.130	3.388-02 3.558-01				

TABLE A- 22

PLANT UPTAKE SUPMARY: PCTATO												
SOILE	PLEASAN'	TCN LOA	1			NTAINER NU	MBER: 22					
RADIONU	CL IDE:	RU-106				TE PLANTED	: 110					
INITIAL	SCIL A	CTIVITY	(D/\$/GH	1: 209.50	0/	TE EMERGED	: 129					
			NUMBER		COUNTING	SPECIFIC						
NUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GM)	<u>uza</u>					
2201	LEAVES	104	1 _	49.2020	19.9020	11.065	5.678-02					
2202	STEM	104	1	37-5070	16.3570	2.467	1.384-02					
2203	TUBER	104		57.0663	24.6363	0.465	2.224-03					
2204	MEAT	104	1	23.6750	23.6750	0.349	1.668-03					
2205	PEELS	104		6.0070	4.0070	2.478	1.188-02					
2204	ROOT	104	1	4.0470	4.0470	18.921	9.038-02					
2207	PEELS.	125	<u>_</u>		13.3665	3,494	1.678-02					
2208	MEAT	125	1	60.7900	66.7900	2.209	1.052-02					
2209	TUBER	125		60.7300	30.1800	2.573	1.231-0					

TABLE A- 23

			PLANT_UP	TAKE SUMMARY	CORN				
SOLL	DAKLEY	SAPRY L	CAR			MIAIMER IN	MO 52 1 2		
RADIONN	CLIDE:	RU-104			DATE PLANTED: 110				
<b>JALTIAL</b>	SOIL A	ETIVITY	(0/5/6	205.00					
			- Mariana						
SAMPLE HUMBER	PLANT	(DAYS)	NUMBER OF PLANTS	CRY MEIGHT	GRAMS)	SPECIFIC ACTIVITY (0/8/6M)	ASU		
2301	TOOHE			0.6157	3.6940	19-129	9.208-0		
2302	SHOOT	47	15	1.0144	15.2197	9.596	4.668-0		
2303	<u>LEAVES</u> STALK	<del>- 54</del>	<del>- 12</del>	0.1943	4.3690 2.3317	<u>4.214</u> 3.453	1.778-0		
2305	LEAVES			4,4819	5.0415	1.016	1.478-0		
2306 2307	STALK LEÄVES	70	3	2.9804 20.4340	8.9418 	1.493	9.0%8-0 1.288-0		
2308	STALK	84		32,1560	14.2030	0.974	4.738-0		
2309	TASSEL	- 44		4.1999	4.1995	9.764	3-718-0		
2310 2311	LEAVES STALK	119	1	24.4340 21.9575	7.1960 5.1875	14.194	6,908-0 6,228-0		
2312	TASSEL	119	2	3.0034	4.0048	4.335	2.118-0		
2313	SILK				4-9935		<u> </u>		
		119	3	13.4482	7.7245	1.040	5.058-0		
2314	MUSK Kermel	119	3	81.3493	91.2680	0.201	7.758-0		
	KERNEL C/DB	119	3	42.4569 TABLE A- 24		0.209			
2314	KERNEL	119	3	42.4569	10.1707	0.209			
2314 2315 2316	KERNEL	119	PLANT UP	42.4569 TABLE A- 24	10.1707	0.209	1.028-0		
2314 2315 2316	KERNEL	IIA	PLANT UP	42.4569 TABLE A~ 24	10.1707 1 COAN	0.209	1.028-0		
2914 2315 2916 301L:	PLEASAN CLIDE:	INN LOA	PLANT UP	42.4569 TABLE A~ 24	10.1707	0.209	1.028-0 MBER: 2:		
2914 2315 2916 SCILL RADIGNU	PLEASAN' CLIDE: SGIL A	CITALLA	PLANT UP  H	42.4569  TABLE A- 24  TAKE SUMMARY	LO.1707	0.209  MITAINER MU  TE PLANTED  TE EMERGED  SPECIFIC	1.028-0 MBER: 2: 1.110		
2914 2315 2316 SOIL! RADIGNU INITIAL	PLEASAN CLIDE:	INN LOA	PLANT UP  M	42.4569  TABLE A- 24  TAKE SUMMARY	10.1707	O-209  OHTAINER MU OTE PLANTEG	1.028-0 MBER: 2:		
2914 2315 2316 SGILL AADIGNU INITIAL SAMPLE NUMBER	PLEASAN' CLIDE: SGIL A	IGH LGA RU-104 RU-104 GILVETY AGE (DAYS)	PLANT UP  M  LU/S/GP  NUMBER  QE  PLANTS	TABLE A- 24 TABLE A- 24 TAKE SUMMARY TAKE SUMMARY TAKE SUMMARY TAKE SUMMARY TAKE SUMMARY TAKE SUMMARY	AMDO 10 10 10 10 10 10 10 10 10 10 10 10 10	O-209  OHTAINER NU OTE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)	1.028-0  MBER: 2  1.110  3.127  ASU  5.838-0		
2914 2315 2916 301Lt AADIGNU INITIAL SAMPLE NUMBER 2401 2402	PLEASAN: CLIDE: SCIL A: PLANT PART SHOOT SHOOT	IGH LGA RU-104 RU-104 GIIVITY AGE (DAYS)	PLANT UP  M	42.4569  TABLE A- 24  TAKE SUMMARY  1): 209.90  DRY BRIGHT  (SM/PLANT)  0.6890	COUNTING ONY MEIGHT (GRAMS)	O-209  OHTAINER MU ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  12.216 6.403	1.028-01 MBER: 2: 110 3 127 ASU 5.838-0 3.008-0		
2914 2315 2916 SQULL AADIGNU INITIAL SAMPLE NUMBER	PLEASAN CLIDE: SGIL A PLANT PART SHOOT LEAVES SYALK	IGH LGA RU-104 RU-104 GILVETY AGE (DAYS)	PLANT UP  M	TABLE A- 24 TABLE A- 24 TAKE SUMMARY TAKE SUMMARY TAKE SUMMARY TAKE SUMMARY TAKE SUMMARY TAKE SUMMARY	AMDO 10 10 10 10 10 10 10 10 10 10 10 10 10	O-209  OHTAINER NU OTE PLANTED ATE RMERGED  SPECIFIC ACTIVITY (D/S/GM)  12.216 6.403 1.097 3.948	1 110		
2914 2315 2516 301Lt AADIGNU INITIAL SAMPLE NUMBER 2401 2402 2403 2404 2409	PLEASAN: CLIDE: SGIL A: PART SHOOT LEAVES STALK	119 10h LGA RU-106 CTIVETY AGE (DAYS) 34 47 54 70	PLANT UP  M	42.4569  TABLE A- 24  TAKE SUMMARY  DRY BRIGHT (SM/PLANT)  0.5199 0.6890 0.2847 0.0902 5.5947	CORM CORM COUNTING ORY MEIGHT (GRAMS)  3.2391 6.8904 1.7322 0.9412 4.2240	O-209  OHTAINER MU  OTE PLANTED  TE EMERGED  SPECIFIC ACTIVITY (D/8/GM)  12.216 0.403 1.097 3.948 7.997	1.028-01  MBER: 2: 110  3.127  ASU  5.838-0  5.248-0  1.688-0  3.628-0		
2914 2315 2316 2316 RADIGNU INITIAL SAMPLE NUMBER 2402 2403 2404 2403 2404 2403	PLEASAN CLIDE: SGIL A: PLANT PART SHOOT LEAVES STALK LEAVES STALK	119 10h LGA RU-106 CILVETY AGE (DAYS) 34 47 54 54 70	PLANT UP  M	42.4569  TABLE A- 24  TABLE SUMMARY  TAKE SUMMARY  (SM/PLANT)  0.6890 0.2847 0.0902 5.3947 2.0974	COUNTING ONY MEIGHT (GRAMS)  3.2391 6.8904 1.7322 0.5412 4.2722	O-209  OHTAINER MU TE PLANTED  TE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  12.216 6.403 1.097 3.948 7.997 1.112	1.028-01  MBER: 2:  1.10  3.127  ASU  5.838-0  5.248-0  1.883-0  5.318-0		
2914 2315 2516 301Lt AAD IQNU INITIAL SAMPLE NUMBER 2401 2402 2403 2404 2405 2406 2407 2408	PLEASAN  CLIDE: SGIL A  PLANT PART  SHOOT LEAVES STALK LEAVES STALK LEAVES STALK STALK	119 10h Lga RU-106 CTIVELY AGE (DAYS) 34 47 54 70 70 84	PLANT UP  M	TABLE A- 24 TABLE A- 24 TAKE SUMMARY   COUNTING COUNTING GRY MEIGHT (GRAMS)  3.2391 6.8904 1.7322 0.5412 4.240 6.2922 4.240 13.4415	0.209  O.209  OTE PLANTED  TE PLANTED  TE PLANTED  ACTIVITY (0/8/GM)  12.216 0.403 1.097 1.112 1.144 29.767	1.028-01 1.028-01 1.028-01 1.10 1.10 1.10 1.10 1.008-0			
2914 2315 2316 301L1 RADIONU 1NITIAL 1NITIAL 2402 2403 2404 2405 2406 2407 2407 2408	PLEASAN  CLIDE: SGIL A  PLANT PART  SHOOT LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES	119 10h LGA RU-106 CITYITY AGE (DAYS) 34 47 54 54 70 84 84	NUMBER OF STATE OF ST	42.4569  TABLE A- 24  TAKE SUMMARY  (SM/PLANT)  0.2399 0.6890 0.2847 0.0902 2.9907 2.0974 24.0210 15.4415 2.3020	COUNTING ONY MEIGHT (GRAMS)  3-2391 6-8904 1-7322 0-5412 4-2412 15-4415 2-3020	O-209  O-209  OTE PLANTED  TE EMERGED  SPECIFIC ACTIVITY  (O/S/GM)  12.216 6.403 1.097 3.948 7.997 1.112 1.164 29.767 C.983	1.028-01  MBER: 2:  1.10  3.127  ASU  5.838-0.  9.248-0.  1.688-0.  9.318-0.  1.428-0.  1.428-0.  1.428-0.		
2914 2315 2316 2316 301L1 AADIQNU INITIAL 1NITIAL 2401 2402 2403 2404 2407 2408 2409 2409 2410	PLEASAN  CLIDE: SGIL AI  PLANT PART  SHOOT SHOOT LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES	IGH LGA RU-104 R	PLANT UP  NUMBER PLANTS  4 10 6 3 1	42.4569  TABLE A- 24  PTAKE SUMMARY  1) 2.29.50  DRY REIGHT (SM/PLANT)  0.2817 0.090 2.2817 2.0974 2.0210 15.4415 2.3020 24.7910	10.1707  COUNTING ORY MEIGHT (GRAMS)  3.2391 6.8904 1.7322 0.5412 4.2242 4.2242 4.2416 15.4415 2.3020 5.7710	0.209  O.209  O.209  OTE PLANTED  SPECIFIC ACTIVITY (D/S/GM)  12.216  6.403 1.097 3.948 7.997 1.112 1.164 29.767 0.983 5.063	1.028-0 MBER: 2 1.10 3.127 ASU 5.838-0 5.248-0 1.888-0 1.888-0 1.888-0 1.888-0 1.888-0 2.528-0 2.5		
2914 2315 2316 301L: RADIGNU INITIAL SAMPLE NUMBER 2402 2403 2404 2409 2410 2411 2412	PLEASAN CLIDE: SGIL A: PLANT PART SHOOT LEAVES STALK LEAVES STALK IASSEL LEAVES STALK TASSEL	119 19h LGA RV-106 GTIVETY 47 54 47 54 70 84 84 84 119 119 119	NUMBER OF STATE OF ST	42.4569  TABLE A- 24  TAKE SUMMARY  DRY BEIGHT (SM/PLANT)  0.5199 0.6890 0.2847 0.0902 5.5947 2.0974 24.0210 15.4415 2.3020 24.7910 30.1092 4.2655	COUNTING ONY MEIGHT (GRAMS)  3-2391 6-8904 1-7322 0-5412 4-2240 6-2922 4-2240 15-4415 2-3020 5-7910 1-4952 8-5310	0.209  O.209  O.209  OTE PLANTED  ATE PLANTED  ATE PLANTED  ACTIVITY (0/8/GM)  1.027 3.949 1.112 1.144 29.747 2.943 5.063 0.277 0.428	1.028-01 1.028-01 1.028-01 1.10 3.127 3.068-0 3.068-0 3.248-0 1.688-0 3.628-0 1.528-0 1.428-0 2.428-0 2.758-0 2.048-0		
2914 2315 2316 2316 301L: RADIONU INITIAL 1NITIAL 2402 2403 2404 2403 2404 2407 2408 2409 2410 2411 2412 2413	PLEASAN  CLIDE:  SGIL A  PLANT PART  SHOOT LEAVES STALK LEAVES	IGH LGA RU-104 R	PLANT UP  NUMBER PLANTS  4 10 6 3 1 1 1 2 3	42.4569  TABLE A- 24  PTAKE SUMMARY  1) 2 209.50  DRY REIGHT (SM/PLANT)  0.6890 0.2847 0.0902 2.5947 2.0974 24.0210 15.4415 2.3020 24.7910 30.1052 4.2655 2.4887	10.1707  1 CORN  CS  DA  COUNTING ORY MEIGHT (GRAMS)  3.2391 6.8904 1.7322 0.5412 4.2242 4.2242 4.2242 4.2242 7.4452 2.3020 7.4952 4.5310 7.4952	0.209  O.209  O.209  OTE PLANTED  SPECIFIC ACTIVITY (0/S/GM)  12.216 0.403 1.097 3.948 7.997 1.112 1.164 29.763 0.928 0.529	1.028-01 1.0		
2914 2315 2316 301L: RADIGNU INITIAL SAMPLE NUMBER 2402 2403 2404 2409 2410 2411 2412	PLEASAN CLIDE: SGIL A: PLANT PART SHOOT LEAVES STALK LEAVES STALK IASSEL LEAVES STALK TASSEL	119 19h LGA RV-106 GTIVETY 47 54 47 54 70 84 84 84 119 119 119	NUMBER OF STATE OF ST	42.4569  TABLE A- 24  TAKE SUMMARY  DRY BEIGHT (SM/PLANT)  0.5199 0.6890 0.2847 0.0902 5.5947 2.0974 24.0210 15.4415 2.3020 24.7910 30.1092 4.2655	COUNTING ONY MEIGHT (GRAMS)  3-2391 6-8904 1-7322 0-5412 4-2240 6-2922 4-2240 15-4415 2-3020 5-7910 1-4952 8-5310	0.209  O.209  O.209  OTE PLANTED  ATE PLANTED  ATE PLANTED  ACTIVITY (0/8/GM)  1.027 3.949 1.112 1.144 29.747 2.943 5.063 0.277 0.428	1.028-01 1.028-01 1.028-01 1.10 3.127 3.068-0 3.068-0 3.248-0 1.688-0 3.628-0 1.528-0 1.428-0 2.428-0 2.758-0 2.048-0		

TABLE A- 25

PLANT UPTAKE SUNMARY: MHEAT											
SCILL	CARLEY	SANDY L	044	6	NTAIMER N	MAER: 25					
AD LONG	CLIDE:	RU-104			TE PLANTED	1 110					
INITIAL	SOILA	<u> </u>	(D/\$/\$/	205.88		NTE EMBAGES	119				
SAMPLE	PLANT	AGE	NUMBER OF	DRY MELCHT	COUNTING DRY HEIGHT	- SPECIFIC	ASU				
HUMBER 	PART	(DAYS)	PLANTS	(GH/PLANT)	(GRAMS)	10/5/CH3					
2301	TOCHE	28	40	0.0422	2.4870	5.344	2-618-02				
2502	SHOOT	37	50	0.2539	12.6929	6.426	3-128-02				
2503	SEL	54		0.9204	9.2040	2.121_	1-038-02				
2504	HEAD	54	10	0.2230	2.2297	0.045	2-218-04				
2505	SEL	70	10	1.2014		3,523	1.718-02				
2504	HEAD	70	10	0.3721	3.7266	0.089	4.328-04				
2507	LEAVES			<u> </u>	3.2349	بينيوميا	<u> </u>				
2504	STALK	94	10	0.7871	7.9707	4.451	3-132-02				
2509	MEAD		10	9-3000	5.0794	2.194	1-168-02				
2510	MEAD	110	305	0.5023	20.1560	16-678	1.108-02				
<u> 1511 -</u> 2512 -	STALK LEAVES	110 110	305	0.5528	<u>4.7561</u> 7.1925	17.466	1-948-01				
2512 2513	GRAIN	110	308 295	0.2302	20.0000	2.093	1.028-02				
2514	CHAFF	110	295	0-0359	5.0000	38.629	1.888-01				

TABLE A- 26

			PLANT UP	TAKE SUMMARY	: WHEAT	<del></del>	
SOLL	OAKLEY	SANDY L	DAM		cu	NTAINER MU	MBER: 24
RADIONU	CLIDE:	RU-106				TE PLANTED	: 110
INITIAL	301L A	CILVITY	LD/S/GH	1: 202,40	DA	TE ENERGED	1119
SAMPLE	PLANT	AGE	NUNBER	DAY WEIGHT	COUNTING DRY WEIGHT	SPECIFIC ACTIVITY	ASU
NUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GH)	
2601	SHOOT		40	0.0562	2.1245	5.022	2-448-0
2602	SHOOT	39	50	0.2534	12.6703	7.361	3.582-0
2603	<u> </u>	29	10	9-4329	8,3197	1.412	<u>9-0</u>
2601	HEAD	54	10	0.1694	1.6942	0.097	4-708-0
2605	_122		10	1-0951_	10.9912	4.093	1-998-0
2606	HEAD	70	10 10	0.3016	3.0156	0.998	4-858-0
2607 2608	LEAVES STALK		10	9.3186 0.7441	3-1856 7-4413	23.922 8.142	1.142-0 3.942-0
2409	HEAD	- 17	10	0.4499	6:4990	5.428	2-448-0
2610	HEAD	110	282	0.4397	17.4490	13.544	4.588-0
2411	STALK	110	282	0.5399	6.2425	17.424	1.478-0
2612	LEAVES		282	0.2731	8,3400	22.563	1-103-0
2613	GRAIN	110	272	0.2201	20.0000	1.803	8.762-0
2614	CHAFF	110	272	0.0345	3.0000	38.514	1-078-0

TABLE A- 27

PLANT UPTAKE SUMMARY: MHEAT											
SOLLI	CAKLEY	SAMOY LI	DAM		<u> </u>	PHTAIMER M	MONR: 2				
RADIONU	CLIDE	AU-104			0	ATR PLANTED	110				
INITIAL	SCILA	CILVITY	_LD/3/GH	205-00	0	LTR_EMERGES	1119				
						_					
			NUMBER		COUNTING	SPECIFIC					
MPLE	_PLANT_	AGE	OF	DRY MEIGHT	ORY WEIGHT	ACTIVITY	ASU				
	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAHS)	(D/S/GR)					
2701	SHOOT	_28	40	0-0420	2.4791	3.728	1-818-0				
2702	TOOKS	35	50	0.2449	12.4451	4.045	2-958-0				
2701	SEL	54	10	1.0610	19-6102	2-151	1-054-0				
2704	HEAD	54	10	0.1445	1.4445	0.788	3-038-0				
2705	_161	70	10	1.3621	33.4207	4.772	3-298-0				
2706	HEAD	70	10	0.2928	2.9274	2-373	1-158-0				
27C1	<u>LEAVES</u>		10	0.3257	3.2570	25.785	1-258-0				
2700	STALK	84	10	0.9086	7.0836	10.954	5.328-0				
2701	HEAD	84	10	0.7199	7.1989	3.606	1.758-0				
2710	HEAD	110	267	0.6216	16.5100	19.976	9.718-0				
2711_	<u>STALK</u>	110	267	0.4143	4.3540	44-495	2-168-0				
2712	LEAVES	110	267	0.4200	7.3275	30.262	1.478-0				
2713	GRAIN	110	257	0.3322	20.0000	7.248	1-158-0				
2714	CHAFF	110	257	0.0481	5.0000	42.854	2-088-0				

TABLE A- 26

<del>-</del>		<u></u> !	PLANT UP	TAKE SUMMARY	X WHEAT	<del></del>	
scir:	PLEASAN	TCN LOA	<u> </u>			THIAINER MA	MBER: 2
RADIGNU	CLIDE:	RU-106			0	TE PLANTED	1 110
<u>initial</u>	SOILA	CTIVITY	10/5/GH	209.50	0	NE EMERGEC	112
SAMPLE	0.444	155	NUMBER		COUNTING	SPECIFIC	
NUMBER	PLANT	(DAYS)	PLANTS	(GM/PLANT)	IGRAHSI	(M3/64)	ASU
2801	SHOOT	28	40	0.0569	2,2760	4.337	2-078-0
2002	SHOOT	39	50	0.2198	10.9907	3.195	1.538-0
2103	SEL	54	10	0.7290	7.2901	0.404	2-898-0
2804	HEAD	54	10	0.1692	1.6920	0.185	8.013-0
2805	_561	70	10	1.0029	10.0297	3.256	1-558-0
5806	HEAD	70	10	0.2612	2.6116	0.150	7-148-0
2807	LEAVES			0.3582	3.5821	4.619	3-168-0
5509	STALK	84	10	0.4890	6.4895	2.911	1.378-0
2009	HEAD	84	10	0.5683	5.6833	1.731	8-268-0
2010	HEAD	110	356	0.7117	21.9565	1.272	6-078-0
2811	STALK		356	0.6922	9.3175	5-130	2.458-0
2812	LEAVES	110	356	0.3280	10.5745	13.369	6.388-0
2813	GRAIN	110	346	0.4176	20-0000	0.479	2.298-0
2814	CHAFF	110	346	0.0372	5.0000	5.912	2.828-0

140L6 4- 55

PLANT UPTARE SUMMARY: WHEAT											
SOLLE	PLEASAN	CON_LOA	1	CONTAINER NUMBERS 25							
RADIONU	CL IDE:	RU-104		<del></del>	01	TE PLANTED	1 110				
INITIAL	SOIL A	TIVITY	(D/3/6H	11 209-50	RA	TE EMERGED	1 119				
SAMPLE	PLANT	AGE	MIMBER	DRY MEIGHT	COUNTING DRY WEIGHT	SPECIFIC	ASU				
NUMBER	PART	(DAYS)	PLANTS	(GR/PLANT)	(GRAMS)	(D/S/6M)					
2901	SHOOT	21	40	9.9699	2.7629	1.525	7-208-03				
2902	SHOOT	31	50	0.2445	12.2255	1.428	4-428-03				
2903		34	10	0-48/37_		0.889	4-248-83				
2904	HEAD	54	10	0.2049	2.0489	0.271	1.298-03				
2905	361	70		1-1903	11-9025		1-688-02				
2906	HEAD	70	10 10	0.2931	2.9313	0.043	2-058-04				
2907 2908	STALK	84	10	G. 7094	7.0035	1.775	2-228-02 8-478-03				
2909	HEAD	77	10	0.7341	7.3484	1.373	4.558-03				
2910	HEAD	110	384	0-4487	18.5435	1.774	8.478-03				
2911	STALK	116	364	9.4780	7.5390	4-150	1-984-02				
2912	LEAVES	110	384	0.3180	10.2290	5.827	2.788-02				
2913	GRAIN		374	0.3994	20-0000	0.537	2.568-03				
2914	CHAFF	110	374	0.0399	5.0000	5.405	2.588-02				

TABLE A- 30

SOIL:	PLEASAN'	CM LOA	t		NTAINER NU	MBER: 30	
RADIONU	CL LDE :	RU-104			DA	TE PLANTED	: 110
INITIAL	_SCIL_A	TIVITY	(D/\$/GH	11: 207.50	04	TE EMERGED	: 119
SAMPLE	FLANT	AGE	NUMBER	DRY WEIGHT	COUNTING CAY MEIGHT	SPECIFIC ACTIVITY	ASU
NUMBER	PART	(DAYS)		(GM/PLANT)	(GRAMS)	(D/\$/G#)	#3W
3001	SHOOT	28	40	0.0435	2.5409	3.569	1.708-02
3002	SHOOT	37	50	0.2410	12.0517	2.475	1.188-02
3003	<u> </u>		<del></del>	0.5391	5.3903		. 1.188-01
3004	HEAD	54	10	0.1544	1.5439	0.014	3.518-04
3005 3006	HEAD	70 70	10	0.8264	2.9847	<u></u>	7-138-02 2-008-04
3007	LEAVES		10	0.2221	2.2209		4.032-02
3008	STALK	84	10	0.6820	4-8194		7-178-03
3009	HEAD	14	iŏ	0.5871	5.8704	1	1-428-03
3010	HEAD	110	460	0.5551	15.2625	103	1-228-02
3011	STALK	110	460	0.4523	7-0563	9.36.5	3.024-0
3012	LEAVES	110	460	0.1974	10.0057	1,912	4.258-02
3G13	GRAIN	110	450	0.3354	20.0000	<b>93</b> 5 رن	1.094-03
3014	CHAFF	110	450	0.0283	5.0000	5.842	2.798-02

TABLE 4- 31

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SAMPLE PLANT AGE				PLANT UP	TAKE SUMMARY	. WHEAT		<del> </del>
SAMPLE   PLANT   AGE   OF   DRY   MEIGHT   DRY   MEIGHT   ACTIVITY   ASU	SOIL:	CARLEY	SANDY L	GAM		<u>co</u>	NTA IMER M	MASR: 1
SAMPLE   PLANT   AGE   OF   DRY   MEIGHT   DRY   MEIGHT   ACTIVITY   ASU	RADIONU	CLIDE:	CS-137			DA	TE PLANTED	1 115
SAMPLE   PLANT   AGE   GP   DRY   MEIGHT   DRY   MEIGHT   ACTIVITY   ASU	<u>INITIAL</u>	SOIL A	CTIVITY	(D/S/64	11. 1637-00	04	TE EMERGEO	1 122
NUMBER PART (DAYS) PLANTS (GM/PLANT) (GRAMS) (D/S/GM)  3101 SHOOT 23 40 0.0553 2.2109 111.076 4.038= 3102 SHOOT 34 50 0.1869 9.3443 103.358 5.438- 3103 SHOOT 50 10 0.7266 7.2436 92.137 3.408- 3104 SEL 45 10 1.0706 10.7055 88.405 4.028- 3105 HEAQ 45 10 9.1974 1.9760 124.410 4.098- 3106 LEAVES 79 1G 0.2990 2.9902 117.412 6.398- 3107 STALK 74 19 9.7649 7.6485 77.312 4.328- 3108 HEAD 408 300 9.6140 15.6968 \$4.865 4.628- 3109 HEAD 408 300 9.6140 15.6968 \$4.865 4.628- 3110 STALK 808 150 0.6024 5.9535 54.254 2.958- 3111 LEAVES 194 150 0.1824 4.2615 134.299 7.318- 3112 GRAIG 5.08	SAMPLE	PLANT .	AGE		DRY WEIGHT			ASU
3102 \$MO07 34 30 0.1869 9.3443 103.398 5.638-3103 \$MO07 50 10 0.7246 7.2456 99.137 5.408-3103 \$MO07 50 10 0.7246 7.2456 99.137 5.408-3104 \$EL 65 10 1.0706 10.7055 86.605 4.028-3105 MEAO 45 10 0.1976 1.9760 126.460 4.098-3106 LEAVES 79 1G 0.2490 2.4402 117.412 6.348-3106 MEAO 70 10 0.4499 7.4485 79.312 4.328-3108 MEAO 70 10 0.4499 4.9590 92.140 5.028-3109 MEAD 408 300 9.6140 15.6968 \$4.865 4.628-3110 \$76.50 \$00 0.6024 5.9535 54.254 2.958-3111 LEAVES 104 150 0.4024 5.9535 54.254 2.958-3111 LEAVES 104 200 0.3877 20.0000 27.421 1.498-3112 GRA16 504 200 0.3877 20.0000 27.421 1.498-								
103   1400T   50   10   0.7246   7.2456   99.157   9.408-3104   551   45   10   1.0706   10.7055   88.405   4.028-3105   88.40   4.928-3105   88.40   4.928-3105   88.40   4.928-3106   1.0706	3101	SHOOT	23	40	0.0553	2.2109	111-074	4.058-0
3104 5EL 45 10 1.0706 10.7055 88.605 4.828- 3105 MEAD 42 10 9.1974 1.9740 124.406 4.898- 3104 LEAVES 79 10 0.2990 2.9902 117.412 4.398- 3107 NIALK 74 19 0.7469 7.4485 79.312 4.328- 3108 MEAD 70 10 0.4959 4.9990 92.140 9.028- 3109 MEAD 404 304 9.6140 19.6944 84.845 4.628- 3110 STALK 808 150 0.6024 5.9535 54.254 2.958- 3111 LEAVES 104 150 0.1834 4.2635 134.299 7.318- 3112 GRAEC 204 290 0.3877 20.0000 27.421 1.498-	3102	SHOOT	34	50	0.1869	9.3443	103.354	5.438-6
3105 HEAO 42 10 G.1974 1.9740 124.460 4.892- 3104 LEAVES 79 10 0.2990 2.9902 117.412 4.398- 3107 STALE 77 19 0.7449 7.4485 79.312 4.312- 3108 HEAD 70 10 0.4959 4.9590 92.140 5.028- 3109 HEAD 3018 3018 9.6140 15.6948 84.845 4.628- 3110 STALK 308 150 0.6024 5.9535 54.224 2.958- 3111 LEAVES 108 150 0.1834 4.2635 134.299 7.318- 3112 GRAIN 208 200 0.3877 20.0000 27.421 1.498-	2101							3,403-0
3106 LEAVES 79 1G 0.2990 2.9902 117.492 6.398- 3107 SYALK 74 89 0.7649 7.445 79.312 4.328- 3108 HEAD 70 10 0.4959 4.9590 92.160 5.028- 3109 HEAD 4/8 300 9.6459 13.6988 44.855 1.628- 3110 SYALK 808 150 0.6024 5.9535 54.254 2.958- 3111 LEAVES 198 150 9.1834 4.2635 134.299 7.318- 3112 GRAIG 508 290 0.3877 20.0000 27.421 1.498-								4.028-0
1107 1741E 74 19 9.7649 7.4485 79.312 4.328- 3108 HEAD 70 10 0.4959 4.9990 92.140 5.028- 3109 HEAD 5418 300 9.6140 15.0948 84.865 4.628- 3110 STAIN 808 150 0.6024 5.9535 94.254 2.958- 3111 LEAVES 108 180 0.1834 4.2635 134.299 7.318- 3112 GRAFO 258 290 0.3877 20.0000 27.421 1.498-								4.898-0
3108 HEAD 70 10 0.4959 4.9590 92.140 5.028- 3109 HEAD 5/14 304 9.6140 15.6948 84.845 4.628- 3110 STALY 508 150 0.6024 5.9535 54.254 2.958- 3111 LEAVES 104 150 0.1834 4.2635 134.299 7.318- 3112 GRAES 5/18 290 0.3877 20.0000 27.421 1.498-								4.398-0
3109 HEAD AID SON G.6040 19.6968 49.865 4.622-3110 STARK ROB 150 0.6024 5.9535 54.254 2.958-3111 LEAVES 198 150 0.1834 4.2635 134.299 7.318-3112 GRAFF 2M 290 0.3877 20.0000 27.421 1.498-								وطيتمي
3110 STA3X 808 150 0.6024 5.9535 94.254 2.958- 3111 LEAV#S 108 150 0.1834 6.2635 134.299 7.318- 3112 GRAI® 208 290 0.3877 20.0000 27.421 1.498-								5.028-0
3111 LEAV#S 108 150 0.1834 6.2635 134.299 7.318- 3112 GRAI® 2:08 290 0.3877 20.0000 27.421 1.498-								4-628-0
3112 GRAE 208 290 0.3677 20.0000 27.421 1.498-								
3113 CMAFO 104 290 0.0323 5.0000 212.895 1.168~								1.498-0

TABLE A- 32

<del></del>		1	PLANT UF	TAKE SUMMARY	: WHEAT		
SOILI	OAKLEY !	SANDY L	DAM		co	NTAINER NU	MAER: 1
RADIONU	CLIDE:	CS-137			DA	TE PLANTED	: 115
INITIAL	SCIL A	TIVITY.	ID/S/GA	): 1437.90	DA	TE EMERGED	1 122
			NUMBER		COUNTING	SPECIFIC	
SAMPLE	PLANT	AGE	QF	DRY WEIGHT	DRY WEIGHT	ACTIVITY	ASU
NUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GR)	
3201	SHOCT	23	40	0.0488	1.9507	154.752	0.648-0
3202	SHOOT	34	50	0.1713	4.5635	109.321	5.954-0
3203	TODHZ	50	10	0.4177	6-1767	55.879	3.048-0
3204	SEL	65	10	1.8879	10.0787	43.615	2.398-0
3205	HEAD	65	10	0.3776	3-7761	44.010	2-448-0
3206	LEAVES	79	10	0.3039	3.0390	59.159	3.223-0
3207	STALK	. 79	10	1-0497	10.4975	29.731	1.628-0
3208	HEAD	79	10	0.4985	4.9850	26.607	1.458-0
3209	HEAD	101	298	0.7616	22.9625	34.918	1.707-0
3210	STALK	108	116	0.7903	4.7505	41.738	2.278-0
3211	LEAVES	101	116	0.2483	5.3060	67.645	3.688-0
3212	GRAIN	108	283	0.4804	20.0000	29.095	1.562-0
3213	CHAFF	108	283	0.0386	5.0000	44-071	2.408-0

TABLE A- 33

			LANT UP	TAKE SUMMARY	1 WEAT		
SOLL1	DAKLEY	AMOY L	144			MTALINES AN	W881_2
ADION	CLIDE	CS-137		. <del></del>	04	TE PLANTER	1.115
INITIAL	BOIL A	TIVITY	(D/\$/98	11 1417-40		TR. EMBRASE	1 121
			MANGER		COUNTING	SPECIFIC	
IUMBER	PART	(DAYS)	PLANTS	COMPLANT)	(GRAMS)	ACTIVITY (0/\$/\$K)	ASU
3301	TOOKE	23	40_	0.0545	2,2595	100-607	3-928-0
3302	SHOOT	34	50	0.1791	4.9532	195-001	1-078-0
1101	SHOOT	50		9,7324		79.979_	4-358-0
3304	SEL	45	10	1.0715	10.7140	41-053	3.328-0
1101	HEAD					67-221	<u> </u>
3306	LEAVES	79	10	0.3771	3.7710	94.979	5-178-0
3307	STALK		<del>i</del> ë				<u> - 474-6</u>
3306	HEAD	79	10	0.4904	4.9040	41-410	2.278-0
3309	HEAD	108	270	4.5939	21.5120	47-403	<u> </u>
3310 3311	STALK	108	129	6,7406 9,2920	9.2915 7.2870	54-14Z 87-871	2.95 <b>2-</b> 0 4.78 <b>2-</b> 0
3312	CRAIN	108	260	0.3380	20,0000	32-444	1.778-0
3313	CHAFF	108	247	0.9300	5.0000	58.991	3.218-0

TABLE A- 34

SAMPLE	LIDE:	CS-137	LD/S/AH	): <u>1793</u> .00	OA	HTAINER MANTED TE ENERGED SPECIFIC	: 115
SAMPLE	SOIL AC	YLVITY	NUMBER	11193.00	DA	TE EMERGED	
SAMPLE			NUMBER	): <u>1793.00</u>			: 122
	PLANT	AGE			COUNT ING	SPECIFIC	
	PLANT.			554 HE 1644			4.041
	PART	(DAYS)	PLANTS	(GM/FLAMT)	ORY WEIGHT (GRAMS)	ACTIVITY (D/S/GM)	ASU
3401_	SHOOT	23	40	0.0462	1.8475	38.724	2.148-0
	SHOOT	34	50	0.1795	8.9740	37.474	2.098-0
3403	SHOOT	90	10	0-6201	4.2010	21.176	1-574-0
	SEL	45	10	1.3514	13.5141	23.513	1.318-0
	MEAD			0.3279	1.1791	24.621	1.478-0
	LEAVES	79	10	0.3243	3.2430	32.095	1.798-0
	STALK			9.9119	<u> </u>	17-030	1.514-0
	TIEAD	79	10	0.7497	7.4970	13.227	7.388-0
	HEAD	_104_	363	0-4084	25-1440	13.712	<u> 7-658-0</u>
	STALK	108	114	6-4135	4.2425	29.519	1.658-0
	LEAVES	108		0-2961	7-6570	44.342	2-478-0
	GRAIN CHAFF	108	343 342	0.3649 0.0363	20.0000 3.0000	11.423 21.200	6.488-0 1.198-0

TABLE 3: 32

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···	<del>,</del>		PLANT_UP	TAKE SUMMARY	. YHEAT		<u> </u>
SCIL:	CLEAR L	NE CLA	Y		cq	MTAINER M	MAGR: 3
RAD TONU	CL IDE:	GS-137			04	TE PLANTED	1 115
INITIAL	SCIL A	YTIVITY	(0/5/6	11: 1793.00	0	TE EMERGED	: 122
SAMPLE	PLANT	Age	NUMBER OF	DRY WEIGHT	COUNTING DRY MEIGHT	SPECIFIC ACTIVITY	
NUMBER	PART	(OAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GM)	ASU
3501	SHCOT	23	40	0.0437	1.7475	35,483	1.788-0
3502	SHOOT	34	50	0.1394	4.9005	16.383	9.148-0
3503	SHOOT	50	10	0.6698	4-4979	32.420	1-018-0
3504	SEL	65	10	1.3125	13.1248	25.430	1-438-0
3505	HEAD	65		0.3244	1,2444		1.903-0
3504	LEAVES	79	10	0.2054	1.0540	45.917	2.548-0
1507	_STALK_	<u> 79</u> _	10	0.4914	4.9140		_1_208=0
3508	HEAD	79	10	0.5750	5.7500	24.815	1-308-6
1501	HEAD	100	321	0.4145	20.9735	22,904	1.208-0
3510	STALK	100	125	0.7536	5.7995	24.031	1.348-0
7217	LEAVES	108	125_	0.2314	3.4705	43.055	2-408-0
3512	GRAIN	100	311	0.5539	20.0000	15.011	8.378-0

TABLE A- 34

			<u>Plant up</u>	TAKE SUMMARY	'I WHEAT		
SCILI	PLEASAN	TCN LOA	<u> </u>		CC	NTAINER NA	MBER: 3
RADIONE	CL TOE:	CS-137			08	TE PLANTED	: 115
INITIAL	SOIL A	<u>CT LY LTY</u>	(0/\$/GM	): 18! }-CO	Da .	TE EMERGEO	1 122
SAMPLE	PLANT	AGE	NUMBER	DRY WEIGHT	COUNTING DRY WEIGHT	SPECIFIC	ASU
NUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/6H)	
3601	SHOOT	23	40	0.0573	2.2900	6.526	3.518-0
3602	SHOOT	34	50	0.1281	4.4050	4.501	3.508-0
3603	SHOOT	50	10	0.6039	4.0584	4,671	2.514-0
3604	SEL	45	10	1.2798	12.7982	5.485	3-178-0
3605	HEAD	65	10	0.2823	2.8227	9,505	4.588-0
3606	LEAVES	79	16	C.3700	3.7000	10.032	5.408-0
3607	STALK		10	0.9401	9.4005	4-016	2.148-0
3608	HEAD	79	10	0.7481	7.4815	3.324	1.798-0
3609	HEAD	100	34.7	0.8677	21,3411	2,293	1.238-0
3610	STALK	108	118	0.7266	4.9425	4.914	2.648-0
3611_	LEAVES		118	0.3206	7.3800	11,329	6.093-
3612	GRAIN	108	337	0.4080	20.0000	2.218	1.198-0
3613	CHAFF	108	337	0.0344	5.0000	5,165	2,788-0

TABLE A- 37

			PLANT UP	TAKE SWHARY	I WHEAT		
SOIL:	PLEASAN	TOR LOAD			co	ESTATIONE NU	40161_37
ADIONU	GL 10E:	CS-137			DA	TE CLANTED	3.815
	-		10/5/64	1: 1859-00	D.A	TE EMPRESO	1 122
LDAJ.ARE		MIATA					
			NUMBER		COUNTING	SPECIFIC	
MARPLE MUNDER	PART .	(DAYS)	PLANTS	ORY MEIGHT (GR/PLANT)	ORY MEIGHT (GRANS)	G/S/GHI	ASU
1701	SHOOT	23	49	9.9472	2-7170	2.383	5.053-01
3702 3703	SHOOT	34 50	40 10	9.1887 9.4248	7.5570 6.2475	0.340 5.139	4.498-01
3704	SEL	45	10	1.1716	11.9162	15.14#	8.158-01
3705	MEAD	45	<u></u>	94794	2-7004	6,440	3.482-01
3706 3707	LEAVES	79 - 79	10 10	0.3494 0.7154	3.4960 7.15 <b>5</b> 5	4.80% 3.744	2.464-01 2.014-01
3700	MELD	<del> (3</del>	16	0.5449	3.4492	3.620	1.430-01
3709	HEAD	108	372	0.7410	21-1745	2.972	1.401-0
3710	STALK	104	134	0.6077	577%0	4,974 8,525	2.688-01 4.598-01
3711 3712	LEAVES GRAIN	108	154 362	0.3167	20-0000	1.541	8.298-04
3713	CHAFF	104	362	0.0240	5-0000	19,194	5-468-D
<del></del>				TABLE A- 34			
-			PLANT U	TABLE A- 30			
con.	DI EACAN				': MMEAT	NATA PAGO MA	
	PLEASAN	TGN LOA	M		: WHEAT	SHTAINER NU	
RADION	CL10E:	CS-137	<b>H</b>	PTAKE SWEHARY	CS WHEAT	TE PLANTED	1115
RADION	CL10E:	CS-137	<b>H</b>		CS WHEAT		1115
RADION	SOIL A	CS-137	ID/S/GI	TAKE SWANARY	COUNTING	TE PLANTED  TE EMERGED  SPECIFIC	: 122
RADIOM LMITIAL SAMPLE	CL10E:	CS-137	M (D/S/GI	PTAKE SWEHARY	CI D/	TE PLANTED	1115
RADIOM IMITIAL SAMPLE NUMBER	SQIL A	CS-137 CS-137 CTIVITY AGE (DAYS)	ID/S/SP NUMBER OF PLANTS	DRY NEIGHT	COUNTING ORY MEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/SR)	: 115 : 122 ASU
RADION	SOIL A	CS-137	M ID/S/GI	DRY NEIGHT	COUNTING ORY MEIGHT	TE PLANTED TE EMERGED  SPECIFIC ACTIVITY	: 122
SAMPLE TUMBER 3801 3802 3803	PLANT PART SHOOT SHOOT SHOOT	CS-137 CS-137 CSILVITY AGE (DAVS)	NUMBER OF PLANTS	DRY NEIGHT 16H/PLANT 1	COUNTING ORY MEIGHT (GRARS)	SPECIFIC ACTIVITY (D/S/SR)	3.448-01 1.028-02 7.128-03
SAMPLE NUMBER 3801 3802 3803 3804	PLANT PART SHOOT SHOOT SHOOT	AGE (DAYS)	MUMBER OF PLANTS	DRY MEIGHT 16M/PLANTI 0.0428 0.1714 0.7436 1.0200	COUNTING ORY MEIGHT (GRANS)  1-7132 C5705 1-01375	SPECIFIC ACTIVITY (0/8/84)  4.442 19.018 13.284 11.562	3.448-01 1.028-02 7.158-03 6.228-03
SAMPLE NUMBER 1801 3002 3803 3404 3809	PLANT PART SHOOT SHOOT SEL MEAD	CS-137 CCTIVITY  AGE (DAVS)  23 34 50 63	MUMBER OF PLANTS	DRY NEIGHT 10200 0.1714 0.7416 1.0200 0.3013	COUNTING ORV MEIGHT (GRAMS)  1-7132 C-5705 7-1355 10-1199 3-0524	SPECIFIC ACTIVITY (0/3/5M)  4:442 19:019 13:204 11:502	3.448-03 1.028-03 7.158-03 6.228-03 6.228-03
SAMPLE NUMBER 3801 3802 3803 3804	PLANT PART SHOOT SHOOT SHOOT	CS-137 CCTIVITY  AGE (DAVS)  23 34 50 63	MUMBER OF PLANTS	DRY MEIGHT 16H/PLANT3 0.0428 0.1714 0.7436 1.0200 0.3939 0.3994	COUNTING ORY MEIGHT (GRANS)  1-7132 C.5705 7-1255 10.199 3.0524 3.5940 9.1720	SPECIFIC ACTIVITY (0/8/84)  4.442 19.018 13.284 11.562	3.488-0; 1.028-0; 7.158-0; 6.228-0; 6.228-0; 8.828-0;
SAMPLE NUMBER 3801 3802 3803 3805 3805 3806 3806 3806	PLANT PART SHOOT SHOOT SHOOT SHOOT SHOOT SHOOT SHOOT SALD LEAVES STALK	AGE (DAYS)  23 34 50 65 79 79	MUMBER 05 PLANTS 40 10 10 10 10 10 10 10 10 10 10 10 10 10	DRY NEIGHT 1 0.0428 0.1714 0.7416 1.0200 0.3513 0.3514 0.412 0.449	COUNTING ORY MEIGHT (GRAMS)  1-7132 C-5705 7-1355 10-199 3-0526 3-5940 4-4985	SPECIFIC ACTIVITY (0/8/8M)  4:442 19:019 13:204 11:502 10:309 7:074	3.448-03 1.028-03 7.158-03 6.228-03 8.028-03 3.618-03 3.778-03
SAMPLE NUMBER 3802 3802 3809 3809 3809 3809 3809 3809 3809	PLANT PART PART SHOOT SHOOT SHOOT SHOOT SAL HEAD LEAVES STALK MEAD MEAD MEAD	CS-137 CCTIVITY  AGE (DAVS)  23 34 50 65 79 79 100	MUMBER OF PLANTS  40 10 10 10 10 10 10 257	DRY MEIGHT 16M/PLANT 1  0.0428 0.1714 0.7436 1.0200 0.3814 0.4172 0.6499 0.7560	COUNTING ORY MEIGHT (GRAMS)  1-7132 C-5705 7-3255 10-1996 3-5940 9-1720 4-4985 10-4783	SPECIFIC ACTIVITY (D/S/SM)	3.488-03 1.028-03 1.028-03 7.158-03 6.228-03 3.818-03 3.778-03 3.778-03
SAMPLE NUMBER 3801 3802 3803 3805 3806 3806 3806 3808	PLANT PART SHOOT SHOOT SHOOT SHOOT SHOOT SHOOT SHOOT SALD LEAVES STALK	AGE (DAYS)  23 34 50 67 79 108	MUMBER 05 PLANTS 40 10 10 10 10 10 10 10 10 10 10 10 10 10	DRY NEIGHT 1 0.0428 0.1714 0.7416 1.0200 0.3513 0.3514 0.412 0.449	COUNTING ORY MEIGHT (GRAMS)  1-7132 C-5705 7-1355 10-199 3-0526 3-5940 4-4985	SPECIFIC ACTIVITY (0/8/8M)  4:442 19:019 13:204 11:502 10:309 7:074	3.448-03 1.028-02 7.158-03 6.228-03 8.628-03 3.618-03 3.778-03

TABLE A- 34

		PLANT UP	TAKE SWIMARY	: WHEAT		
PLEASAN	TON LOA				HTAINER M	#888: _35
CLIDE:	C\$-137			04	TE PLANTER	2 212
SOIL A	TIVITY	(D/S/G)	11 1859-00		TE EMERGED	1.122
PLANT PART	AGE (CAYS)	NUMBER OF PLANTS	DAY WEIGHT (GM/FLANT)	COUNTING DRY HEIGHT (GRAMS)	SPECIFIC ACTIVITY (0/3/GN)	U2A
SHOOT	21	40	0.0482	1.9292	3.245	1.778-01
SHOOT	34	50	0.1851	9.2575	9.809	5.208-0
						4.588-0
						7.978-0: 3.952-0:
						4.318-0
						1.190-0
HEAD	79	10	0.6469	4.4465	4.299	2.319-0
HEAD	108	396	0.7438	15-0245	3,219	1.818-0
STALK	100	105	0.6535	4.7980	4.518	2.438-0
		105				4.078-0
GRAIN Chaff	108	386 386	0.5245 0.0355	20.0000 	2.410 6.158	1.308-01 3.318-01
	CLIDE: SOIL ANT PARY  SHOOT SHOOT SHOOT SEL LEAVES STALK HEAD STALK LEAVES GRAIN	PLEASANTON LGAN GLIDE: CS-137 SOIL ACTIVITY  PLANT AGE PART (CAVS)  SHOOT 23 SHOOT 34 SHOOT 34 SHOOT 36 STALK 59 HEAD 108 STALK 108 LEAVES 108	PLEASANTON LOAM  GLIDE: CS-137  SOIL ACTIVITY ED/S/SM  PLANT AGE OF  PART (CAYS) PLANTS  SHOOT 23 40 3NOOT 34 50 3NOOT 34 50 1NOOT 30 10 351 65 10 MEAD 45 10 MEAD 79 10 MEAD 79 10 MEAD 102 396 STALK 108 106 LEAVES 108 106 LEAVES 108 386	CLIDE: CS-137   SOIL ACTIVITY (D/S/SM): L859.QQ	SQIL ACTIVITY (D/S/GM): 1859-99   DS	COUNTING SPECIFIC   CAYS   PLANTS   COUNTING SPECIFIC

TABLE A- 40

<del></del>			PLANT UP	TAKE SUMMARY	1 WHEAT		
SCIL:	PLEASAN	TON LOA	H			NTAINER M	MAER: 4
ACIONU	CLIDE:	CS-137				TE PLANTED	1111
INITIAL	SCIL A	HIVITY	10/3/68	1: 1859.00	04	TE EMERGEO	3 122
			MUNBER		COUNTING	SPECIFIC	
IUMBER	PART	(DAYS)	PLANTS	GA/PLANT)	(GRAMS)	ID/S/SMI	ASU
4001	SHOOT	23	40	0.0494	2.7765	6.422	3.454-0
4002	SHOOT	34	50	0.1544	7.7180	7.882	4.248-0
4003	SHOOT	50	10	0.5668	5.6678	_5.615	3.028-0
4004	SEL	45	10	1.0290	10.2899	7.424	3.998-0
4005	<u>HEAD</u>		10	0.2460	2,4594	7.972	4.298-0
4004	LEAVES	79	10	0.3415	3.0149	8.152	4.318-0
4007	STALK		10	0.7589	7.5485	4.704	<u> 2.518-0</u>
4008	HEAD	79	10	0.5367	5.3469	4.457	2.514-0
4009	HEAD	104	351	0.8033	18,5015	4.742	2,548-0
4010	STALK	104	155	0.7112	5.0910	5.440	2.938-0
4011	LEAVES	108	155	0.1863	4.3820	11.669	4,244-0
4012	GRAIN	108	341	0.5549	20.0000	2.542	1.378-0
4013	CHAFF	108	341	0.0323	5.0000	4.302	3.398-0

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				1,000	·		
		L	PLANT WE	TAKE SHEET ST	1 TREATE		
10111	GABLEY :	LANDY L	244		6	MTALHER M	MBERT 41
BADIOM	CL 10E1	CS-137				it Planted	1 119
INTTRAL	SOLLA	TIVITY	LD(S/SE	11 1557.00	N	TE EMERGED	1 127
SAMPLE	PLANT	AGE	NUMBER DF	DRY MEIGHT	COUNTING BOY MELONT	SPECIFIC ACTIVITY	A:U
MUMBER	PART	(DAYS)	PLANTS	(GR/PLANT)	(GRANS)	(D/\$/4A)	
4101	SHOOT	34	20	0.0016	1,2200	2.471	1.210-01
4102	VINE	42	50	0.2452	12.3620	227.902	1.243-01
4104 4104	LEAVES	50	12	0.4953	2-1245	181.732 290.748	9.898-02
4105	LEAVES	45	';	4.3112	12-0204	283.895	1.558-61
4106	STER	45	- 3	3-2434	4.4472	100.057	1.034-01
4107	LEAVES		i	144448	14-4495	172.324	9-741-02
4108	STEM	79	1	14,5000	14.5000	93.347	5.088-02
4109	PLONER		1_	4.7941	8.7985	140.414	7-441-02
4110	LEAVES	170	1	55.5391	7-1291	244.484	1.348-01
	STER	170	<u>i</u>		9.4372	147.281	7.711-02
4112	PEELS	170	1	19.6513	0.4913	251.854	1.378-01
4114	PRUIT	170 170		133-1533	18,2400	300.135 210.364	1.198-01
4115	ROOT	170	3	4-2860	4.2000	240.947	1.538-01

TABLE 4- 42

		<u>-</u>	PLANT_UP	TAKE SUMMARY	1 TONE		
SOIL!	CLEAR L	NE CLA	Y		CC	MTAINER NU	MAER: 4
HOLONE	CL IDE :	CS-137			0a	TE PLANTED	: 115
INITIAL	SOIL A	TIVITY	10/5/88	1: 1793.00		TE EMERGEO	: 127
SAMPLE	PLANT	AGE	NUMBER	DRY MEIGHT	COUNTING DRY WEIGHT	SPECIFIC	ASU
MUMBER	PART	(DAYS)		(GR/PLANT)	(GRAMS)	(D/3/6%)	
4201	SHOOT	14	10	Q. OAL	1e#269	\$4.782	3.061-0
4202	VINE STEM	42	70 10	G.2096	6.2670	44.480	2.492-0
4204	LEAVES	10	10	9.2720	0-0674 2-9302	40.729 53.250	2.272-0
4205	LEAVES	45	••	1.4116	11.6427	40.014	2.238-0
4204	STER	45		2.6175	5.2349	19.343	1.082-0
4207	LEAVES	79	ĭ	19.8420	19.3429	128.460	7.148-C
4208	STER	79	1	19.0220	17.4220	48.074	2.688-0
4209	<u> </u>	79			0.8445	58.197	3.258-0
4210	LEAVES	170	1	20.0329	4.3029	100.442	5.608-0
All	STER	170	<u>i</u>			44.912	2.734-0
4212	PEELS	170 170	ļ	14.2004	0.4468	112.479	4-278-0
4214	PRUIT	170	<del></del> }	15.5447	14-9100	197.721 01.024	7.688-0
4215	ROOT	170	i	1.6462	3.8602	84.139	4.498-0

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			PLANT UP	TAKE SUMMARY	TCHATO	<del></del>	
SCIL:	CLEAR L	NR CLA	L			HTALDES M	MBER: -1
RADION	CLIDE	CS-137			01	TE PLANTED	1 115
MITIAL	SCIL A	ELLVITY	10/5/GH	1: 1713.00		TE EMERGED	1 127
			NUMBER		COUNTING	SPECIFIC	
SAMPLE	PLANT	AGE	92	DRY MEIGHT	DRY WEIGHT	ACTIVITY	ASU
NUMBER	PART	(DAYS)	PLANTS	(GH/FLANT)	(GRAMS)	(D/S/GH)	
4301	SHOOT	34	20_	0.0435	1.2705	47,296	2.648-0
4302	VINE	42	25	0.2142	5.3540	40.019	2.238-0
4303	STEP	50	8	0.1539	1,2315	21.479	<u> </u>
4304	LEAVES	50	4	0.5405	4.4841	33.362	1.848-0
4305	LEAVES	65		2.9449	11.7794	22.707	1.272-0
4304	STEM	65	•	0.7240	2.8959	20.437	1.174-0
4307	LEAVES	79			4.1111		2-474-0
4308	STEM	79	ı	6.4455	8.4455	17.307	1.458-0
4309	PLOWER	79		4,3990	0.3990	22.345	1.258-0
4310	LEAVES	170	1	23.5917	4.7117	97-004	9.418-0
4311	STEM	170	<u>-</u>	41.4544	4-4764	<u>26.246</u> _	_2.024-0
4312	PEELS	170	1	19.7440	0-0440	29.524	1.458-0
4313	MEAT	170	<del></del>	111-4900	4.4000		<u> </u>
4314	FRUIT	170	3	133.7500	23.2900	60.402	3.378-0
4315	ROOT	170		5.0330	5.0330	59,304	_1.118-0

TABLE A- 44

			PLANT UP	TAKE SUMMARY	OTAMOT :		
GIL:	PLEASAN	CN LDA	<u> </u>			MTAINER NU	M3ER: 4
ADIONU	CL IDE:	CS-137			0	TE PLANTED	115
LATTIAL	SCIL A	TIVITY	[D/\$/GH	): 1839.CG	<b>0</b> 0	TE EMERGED	: 129
			NUMBER		COUNT ING	SPECIFIC	
NUMBER	PLANT PART	(CAYS)	PLANTS	(GR/PLANT)	(GRAMS)	(D/S/GM)	ASU
4 -01	SHOOT	34	20	0.0490	0.9790	17.655	9.508-0
4402	STEM	50	8	0.1106	0.8849	15.252	8.208-0
4403	LEAVES	50	•	6.3830	3.0640	42.048	<u> </u>
4404	LEAVES	65	2	3.8094	7.6188	11.793	4.348-0
4405	STEM	65	2	1.7209	3,4418	2.203	1.231-0
4406	LEAVES	79	1	17.2200	17.2200	7.686	4.134-0
4407	STEM	79		12-3560	12.3549		<u> </u>
4408	FLCWER	79	1	0.6310	0.6310	2.650	1.438-0
4409	LEAVES	170	L_	48.3501	0.4701	7.206	3.008-0
4410	STEM	170	1	42.9554	4.4654	3.381	1.828-0
4411_	PEELS	170		17-0562	0.6662	4.623	2.498-0
4412	MEAT	170	ı.	94-1400	3.2900	4.346	2.348-0
4413	FRUIT	170	3	118.4233	27.5600	2.981	1.408-0

TABLE 4- 40

が、1、1955、1965を中の職所をあるの間の機能を指揮を持ている。1955、その

					<del></del>		
		L	LANT UP	TAKE SUMMARY	1 TOMATO		
SOIL:	PLEASAN	ON LOAD			co	MTALMER NA	<b>MARA</b> 1
RAD IQMU	CLIDE:	GS-137				TE PLANTED	1119
			19/3/68	11 1057-00		TA SPERSED	1 129
SAMPLE	PLANT	AGE	MARBER	DAY WEIGHT	COUNTING	SPECIFIC	Atu
NUMBER	PART	(DAYS)	PLANTS	(SM/PLANT)	(GRAMS)	10/\$/ <b>6</b> 01	
4501	SHOOT	34	20	0.0542	1.1215	33.249	1.798-6
4502	VINE	42	35	0.2330	0.1034	39.027	1.000-0
4504	LEAVES	<u>50</u>	12	9-1264	3-0447	10.020	1-118-0
4505	LEAVES	45	• • • • • • • • • • • • • • • • • • • •	3.2730	13.0920	7.201	1.474-0
4504	STEM	65	4	1.7127	4.0510	1.516	8.168-0
4507	LEAVES	79	1	11.2354	11.2111	1.324	1-798-0
4508	STEM	79	1	12-1730	12.1730	1.017	3.588-0
4109	FLOWER	79		<u></u>		1.119	1.498-0
4510	FEVAER	170	1	27-6633	4.9633	15.346	1.171-0
<u> 4511</u>	STEM	<u> 179</u>	<del></del> -	<u> </u>	4-1271	4-794	<u> </u>
4512 4513	PEELS	170 17 <b>0</b>		17.8912	0.5712 2.9880	0.612 4.232	4.378-0
<del>- 73   4</del>	FRUIT	170		122.6733	27.4200	4.845	2.628-0
4515	8001	170	7	7.8814	3.5716	41.867	2.348-0

TABLE 4- 44

			PLANT UP	TAKE SUMMARY	: TOMATO		
SCILI	PLEASANT	CH_LOM	<u> </u>			MTAINER NU	MARRI 4
RADIONU	CLIDE:	CS-137			DA	TE PLANTED	: 115
INITIAL	SOIL AC	TIVETY	LD/\$/GN	1: 1059.00	Dá	Te emergen	1 129
SAMPLE	PLANT	AGE	NUMBER	DRY WELSHT	COUNTING DAY WEIGHT	SPECIFIC	ASU
RUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRANS)	10/5/EH)	
4601	SHOOT	34	20	0,0564	1.1291	28.979	1.548-0
4602	ATME	42	35	0.2642	4.2460	29-050	1.518-0
4603		<u> </u>	<u></u>	9-1816	- 441015	4-107	4-148-0
4604	LEAVES	30	15	g.sole	4.0223	18.303	9.858-0
4605	LEAVES.	45		3.7349	14.9673	14.446	7.885-0:
4407	LEAVES	79	•	14.2845	14.2045	4.020	3.248-0
4608	STEM	79	<del></del>	10,9125	10.9135	2.485	1.618-0
4601	FLOWER	79	i	0-6133	0.6133	2.591	1.418-0
4410	LEAVES	170	ī	22.1620	4.4120	17.844	9.408-0
4611	STEM	176_	i	12,2449	4-2349	7,750	4-174-0
4412	PEELS	170	1	13.7043	0.8343	4.010	2-148-G
4613	MEAT	170		74.4399	3.7100		1-922-0
4614	PRUIT	170	3	91.3247	16.6000	3.779	2.038-0
4417_	8007	170_		2-114	2,7841		1.488-0

TABLE A- AT

			PLANT UP	TARE SUMMARY	PCTATO		
SCILL	CLEAR L	AKE CLA			60	NTAIMER M	HDERI 57
RADICHU	CLIDE:	CS-137			04	TE PLANTED	: 115
INITIAL	SOIL A	TIVITY	10/8/98	11 1792.00	04	TE EMERGED	1114
SAMPLE	PLANT	AGR.	NUMBER	DAY WEIGHT	COUNTING DRY WEIGHT	SPECIFIC ACTIVITY	ASU
NUMBER	PART	(CAYS)	PLANTS	(GM/PLANT)	(GRAMS)	10/5/GA)	
4701	LEAVES	120	4	7.4870	13,9480	104-024	5-918-02
4702	STEP	120	4	5.3324	21.3295	79.129	4.238-0
4701	PRELS	120		13.8810	13.4410	46.456	<u> 718-01</u>
4704	MEAT	120	1	101-0660	38.5440	36.727	2-058-02
4709	TUBER	120		47.4585	12,5755	40.411	_2_248-G
4704	ROOT	120	4	1.3804	5.5223	45-310	4.768-02

TABLE A- 46

			LANT VE	: POTATO			
SOIL: P	LEASAH	ON LOA!			60	NTAINER NU	MBER: 4
RADIGNUC	LIDE	CS-137			DA	TE PLANTED	115
INITIAL	301L AC	TIVITY	10/1/GH	1: 1037.00	DA	TE EPERGEC	: 136
			NUMBER		COUNTING	SPECIFIC	
SAMPLE NUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GM)	ASU
4001	LEAVES	120		23.2325	22.3900	31.207	1.688-0
4802	STEM	120	4	17.5851	12.2405	21.779	1-718-0
4803	PEELS	129		2.2105	5.2105	17.419	<u> 9-518-0</u>
4804	MEAT	120	1	20-1510	19.9410	6-810	3.718-0
4804	ROOT	12C		32.4307 1.7648	18.8922	11-049 48-191	5.948-01

TABLE 4- 49

			PLANT UP	TAKE SUBBARY	PORATO		
501Li	PLEASON	TON LOA	L		ÇI	MITATURE IN	MBER: 41
MOIGAN	CLIDE	CS-137			06	TE PLANTED	1115
1917 IAL	301L A	:114114	<u> </u>	1: 1419-99		TE ENTRACO	1 136
SAMPLE	PLANT		MUMBER	ORY MEIGHT	COUNTING ORY MEIGHT	SPECIFIC ACTIVITY	
NUMBER	PART	(DAYS)		(GM/PLANT)	(SRAME)	(0/5/6H)	
4201	LEAVES	120	1_	29.8110	25-8110	32,394	1.752-02
4902	STEH	120	1	17.5435	17.5435	20.018	1.128-02
4901	PRELS	129		7.5084	7.5084	21.397	1.158-01
4964	MEAT	120	1	40.5924	21.3724	8.575	4.618-01
4903	TUBER			27,9794	23.6286	10-544	2.478-01
4904	ROOT	150	X	3.4873	3.6673	58.876	3.178-01

TABLE A- 50

<del></del>	<del></del> _	1	PLANT UP	PCTATO			
SOILI	PLRASAN	TON LOAD			co	NTAINER NU	MBER: 50
MOTCAS	CL INNS	65-137			O.A	TE PLANTED	: 115
<u>iritial</u>	. SOIL A	CTIVITY	10/3/4	1: 1039.40	0	TE EMERGED	: 130
			MUNGER		COUNT ING	SPECIFIC	
NUMBER	PART	(DAYS)	PLANTS	(GR/PLANT)	GRANS?	(D/S/CH)	ASU
5001	LEAVES	120		28.5313	24.5313	22.820	1.238-02
5002	STEM	120	1	23.5653	23,5653	19.587	1.058-02
5003	PESSE	120		4.4200	4.4200	7.495	4.258-03
3004	MEAT	120	1	44.9253	16.4453	3.377	1.828-03
5005	TUBER			25.4335	17.4370	5.367	2-095-01
5004	RCOT	120	1	3.4455	5.8855	43.143	2.323-02

TABLE A- SI

			PLANT UP	TAKE SUPRARY	1 PGTATO		<del> </del>
SOIL:	OAKLEY	SANDY L	DAM		cc	NTAINER NL	MAER: 5
RACIONL	CL ISE:	CS-137			04	TE PLANTED	: 115
18171AL	SOIL A	TIVITY	(D/S/GM	): 1037.00	04	TE EMERGED	130
SAMPLE	PLANT	AGE	NUMBER	DRY WEIGHT	CCUNTING DRY WEIGHT	SPECIFIC	
NUMBER	PART		PLANTS	IGM/PLANT)	(GRAMS)	(D/S/GM)	A\$U
5101	LEAVES	_120	1	16.0773	10.0773	203.527	1.118-0
5102	STEM	120	<del></del>	17.5130	17.5130	322.901	1.768-0
5103	PEELS	120		10.9435	10.9835	286.401	1.568-0
5104	MEAT	120	1	75.4773	22.7773	174-917	9.528-0
5105	TUBER	120		19,7376	27.2127	215.796	1.178-0
5106	RCGT	120	i	3.7280	3.7280	285.240	1.558-0

TABLE A- 52

			PLANT UP	: CORN			
SCILI	CLEAR L	AKE CLA	<u> </u>		CO	NTAINER NU	MBER: 5
RADIONU	CLIDE:	CS-137			DA	TE PLANTED	: 115
Initial	SOIL A	*******	10/5/GM	1: 1793.00	QA	TE EMERGED	: 127
			NUMBER		COUNTING	SPECIFIC	<del></del>
SAPPLE Number	PLANT FART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GM)	ASU
5201	SHOOT	34		0.4929	2.9573	48.475	4.958-02
5202	SHOOT	42		0.4228	4.9822	67.009	3.748-02
5203	STALK	50	i	0.1505	1.2036	48.133	2.448-02
5204	LEAVES	50	8	0.3939	3.1515	44.414	2.488-C2
5205	LEAVES	65	. 6	2.2355	4.4452	83.434	4-458-02
5204	STALK	65	6	0.7954	4.7734	75.010	4-103-02
5207	LEAVES	79	1	19-2405	6.8105	52.980	2.958-02
5208	STALK	79	l l	12.6720	12-6720	31.167	1.748-0
5209	TASSEL	79	1_	2.5785	2.5785	47.401	2-448-02
5210	LEAVES	114	1	33.4355	5.2045	67.392	3.748-02
5211	STALK	114	1	31.2653	5.7553	46.664	2.608-0
5212	TASSEL	114	2	2.8790	5.7500	33.283	1.868-0
5213	SILK	114	4	2,0468	8.2670	56.569	3.154-02
5214	HUSK	114	3	12-8476	9.9235	34.034	1.904-0
5215	KERNEL	114	3	53.7166	39.5998	11.159	6-228-03
5216	CCB	114	3	39.4207	18.6620	23.757	1.322-02

TABLE A- 53

				INDLE A- 33			
			PLANT UP	TAKE SUMMARY	CORN		
CIL:	PLEASANT	CH LDA	h		ÇO	NTALMER NA	1868± 53
MOTOR	CL IDE:	CS-137			OA.	TE PLANTED	1119
NITIAL	SOIL A	TIVITY	(D/S/GM	): 1659.00	DA	TE EMERCED	1.125
AMPLE	PLANT	AGE	MUMBER OF	DRY WEIGHT	COUNTING DRY NEIGHT	SPECIFIC ACTIVITY	ASU
UMBER	PART	(DAYS)		(GM/PLANT)	(GRAMS)	(2/5/CH)	
5301	SHOOT	34	4	0.4642	2.8090	20,410	1.108-02
5302	SHOOT	42	10	0.7401	7.4005	31.178	1.468-02
5303	STALK	50_	12_	0.2746	3-2957	19.610	1.054-02
5304 5305	LEAVES	50 45	12	0.5860 6.4069	7.0322	18.774	1.018-02
530a	STALK	45		3.1074	3.3474	36.721	1.078-02
5307	LEAVES	3/9	<u>i                                    </u>	24.4635	7-0435	16.140	A. 708-01
5300	STALK	79	1	29.5255	29.5255	7.471	4.138-03
5309 5310	TASSEL LEAVES		<del></del>	25.5310	5.7110	9.487 9.858	<b>5.218-03</b> 5.36 <b>9</b> -03
5311	STALK	119	i_	26.7090	9.4090	4.274	2.108-03
5312	TASSEL	114	2	2.7697 1.5655	5.5393	4.832	2.408-03
				1.7633	6.2620	7.035	3-788-07
5313	SILK	114			10.4227		
		114	3	11.9742	10.4227 24.96%	4,593 1,501	2.478-03 8.078-04
5313 5314	SILK	114	3		10.4227 24.96 % 5 21.6877	4.573	
5313 5314 5315	SILK HUSK KERNEL	114	3 3	11.9742 46.5798 34.9826	10.4227 24.9645 21.6877	4.573 1.50i	8.078-04
5313 5314 5315 5316	SILK HUSK KERNEL	114	PLANT U	11.9742 46.5798 34.9826 TABLE A- 54	10-4227 24-7695 21-6877	4.573 1.50i	1.248-03
5313 5314 5315 5316 5316	SILK HUSK MERNEL COS	114 114 114	PLANT U	11.9742 46.5798 34.9826 TABLE A- 54	10-4227 24-96% 21-6877	4.593 1.502 2.334	8.078-04 1.248-03
5313 5314 5315 5316 5316	SILK HUSK KERNEL COB	114 114 114	PLANT U	11.9742 46.5798 34.9826 TABLE A- 54	10-4227 24-9695 21-6877	4.593 1.502 2.334	# 078-94 1.248-03
5313 5314 5315 5316 5316	SILK HUSK KERNEL COB	114 114 114	PLANT U	11.9742 46.5798 34.9626 TABLE A- 54 PTAKE SUMMARY	10-4227 24-9695 21-6877	4.593 1.502 2.334	MBER: 94
SOIL1 RADIONI INITIA	PLEASAN UCLIPE: SOIL A	114 114 114 110 100 LOA CS-137 CTIVITY	PLANT UI	11.9742 46.5798 34.9826 TABLE A- S4 PTAKE SUMMARY	10-4227 24-96% 21-6877  21-6877  COUNTING DA	A.593 1.501 2.334  DINTAINER NU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY	# 078-94 1.248-03
SOIL1 RADIONI INITIA	PLEASAN UCLIDE:	114 114 114 114 114 114 114 114 114 114	PLANT UI	11.9742 44.5798 34.9826 TABLE A- 54 PTAKE SUMMARY	10-4227 24-96% 21-6877 21-6877	4.593 1.501 2.334  DHTAIMER NU ATE PLANTED ATE EMERGED  SPECIFIC	MBER: 94
SOIL1  RADIONI INITIAL  SAMPLE NUMBER	PLEASAN UCLIPE: SOIL A	114 114 114 110 100 LOA CS-137 CTIVITY	PLANT UI	11-9742 46-5798 34-9626 TABLE A- S4 PTAKE SUMMARY  M1: 1859-GG DRY MEIGHT (GN/PLANT)	10-4227 24-96 % 21-6877  21-6877  CQRM  CQRM  CQUITING ORY MEIGHT (GRAMS)  4-0843	A.593 1.502 2.334  DINTAINER NU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM) 30.492	#BER: 94 1:243-03  MBER: 94 1:115 1:127  ASU
5313 5314 5315 5316 5316 5316 SOIL1 RADIONI INITIAI SAMPLE NUMBER 5401 5402	PLEASAN  PLEASAN  PLANT  PART  SMOOT  SHOOT	II4	PLANT US  OP  PLANTS  AUMBER  OP  PLANTS	11.9742 46.5798 34.9826 TABLE A- 54 PTAKE SUMMARY 	10-4227 24-96% 21-6877  21-6877  21-6877  COUNTING ORY MEIGHT (GRAMS)  4-0843 10-5290	A.593 1.501 2.334  DINTAINER NU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  30.492 24.942	#BER: 94 1.268-03 MBER: 94 1:115 1:127
5313 5314 5315 5316 5316 SOIL1 RADIONI INITIAI SAMPLE NUMBER 5401 5402 5403	PLEASAN UCLIDE: SOIL A PLANT PART SHOOT STALK	114 114 1114 1114 1114 1114 1114 1114	PLANT UI  (D/S/GI  NUMBER  OF  PLANTS  4  15	11.9742 46.5798 34.9826 TABLE A- S4 PTAKE SUMMARY  H): 1459.00 DRY WEIGHT (GR/PLANT) 0.4807 0.7019 9.3367	10-4227 24-96% 21-6877  21-6877  21-6877  COUNTING ORY MEIGHT (GRAMS)  4-0843 10-5290 3-3465	A.593 1.501 2.334  DINTAINER NU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  30.672 24.962 14.885	MBER: 94 1.243-03 MBER: 94 1.315 1.343-03 1.343-03 8.013-03
5313 5314 5315 5316 5316 SOIL1 RADIONI INITIAI 5401 5402 5403 5404	PLEASAN UGLIDE: PLANT PART SHOOT SHOOT STALK LEAVES	114 114 1114 1114 1114 1114 1114 1114	PLANT US  OP  PLANTS  AUMBER  OP  PLANTS	11.9742 46.5798 34.9626 TABLE A- S4 PTAKE SUMMARY  H1: 1859.GO DRY WEIGHT (GM/PLANT) 0.7019 9.23367 0.5712	10-4227 24-96% 21-6877  21-6877  21-6877  COUNTING ORY MEIGHT (GRAMS)  4-0843 10-5290	A.593 1.503 2.334  DINTAINER NU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  30.492 24.942 14.885 15.450	#BER: 94 1:263-03  #BER: 94 1:15 1:127  ASU 1:453-0; 1:348-0; 8:018-0; 8:318-0;
5313 5314 5315 5316 5316 5316 SANPLE NUMBER 5401 5402 5403 5404 5405 5408	PLEASAN UCLIDE: SOIL A PLANT PART SHOOT SHOOT STALK LEAVES LEAVES STALK	114 114 1114 1114 1114 1114 1114 1114	PLANT UI  INUMBER  OF  PLANTS  15  10  10  3	11.9742 46.5798 34.9826 TABLE A- 54 PTAKE SUMMARY  H1: 1859.00 DRY MEIGHT (GR/PLANT) 0.7019 9.2367 0.7719 4.2367 4.8168	10-4227 24-96% 21-6877  21-6877  21-6877  21-6877  COUNTING ORY MEIGHT (GRAMS)  4-0843 10-5290 3-3665 5-7115 3-0931 14-4504	4.593 1.502 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.44 2.4	MBER: 94 1.268-03 MBER: 94 1:115 1:127 ASU 1.458-03 1.348-02 8.018-01 1.418-02 7.158-03
5313 5314 5315 5316 5316 5316 SOIL1 RADIONI INITIAI 5401 5402 5403 5404 5405 5407	PLEASAN UCLIDE: SOIL A PLANT PART SHOOT SHOOT LEAVES STALK	114 114 114 114 114 114 114 114 114 114	PLANT UI  OPS/GI  NUMBER OP PLANTS  10 10 10 11	11.9742 46.5798 34.9626 TAGLE A- S4 PTAKE SUMMARY  M1: 1459.GO DRY WEIGHT (GN/PLANT) 0.4807 0.7019 0.3367 0.5712 3.5300 4.6160 26.4460	10-4227 24-96% 21-6877  21-687	4.593 1.503 2.334	#BER: 54 1.453-9; 1.4
5313 5314 5315 5316 5316 5316 5316 5316 5316 5316	PLEASAN UGLIDE: SOIL A PLANT PART SHOOT STALK LEAVES STALK LEAVES	114 114 114 114 114 114 114 114 114 114	PLANT UI  INUMBER  OF  PLANTS  15  10  10  3	11.9742 46.5798 34.9826 TABLE A- 54 PTAKE SUMMARY (M): 1859.00 DRY WEIGHT (GM/PLANT) 0.87019 0.3307 0.5712 8.5300 4.8168 26.4400 27.4458	10-4227 24-96% 21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6878  21-6877  21-6878  21-6878  21-6878  21-6878  21-6878  21-6878  21-6878	4.593 1.501 2.334 2.334 2.334 2.334 2.334 2.334 2.410	MBER: 94 1.263-03 MBER: 94 1.15 1.15 1.15 1.348-0; 8.013-0; 1.318-0; 7.153-0; 6.618-0; 3.318-0;
5313 5314 5315 5316 5316 5316 SOIL1 RADIONI INITIAI 5401 5402 5403 5404 5405 5407	PLEASAN UCLIDE: SOIL A PLANT PART SHOOT SHOOT LEAVES STALK	114 114 1114 1114 1114 1114 1114 1114	PLANT UI  (ID/S/GI  NUMBER  OP  PLANTS  10  10  3  1  1	11.9742 46.5798 34.9626 TABLE A- 54 PTAKE SUMMARY W): 1459.00 DRY WEIGHT (GM/PLANT) 9.6807 0.7019 9.3367 0.5712 8.5300 4.6168 26.4600 27.4450 25.6803	10-4227 24-96% 21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6843	4.593 1.502 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.345	#BER: 54 1.263-03  #BER: 54 2: 115 2: 127  ASU 1.653-07 1.343-07 1.153-07 1.153-07 3.313-07 7.253-07
5313 5314 5315 5316 5316 5316 5316 5316 5316 5316	PLEASAN  PLEASAN  PLEASAN  PLANT  PART  SHOOT  SHOOT  STALK  LEAVES  STALK  LEAVES  STALK  LEAVES  STALK  LEAVES  STALK   114 114 114 114 114 114 114 114 114 114	PLANT UI  NUMBER OF PLANTS  4 15 10 10 10 11 11 11	11.9742 46.5798 34.9826 TABLE A- 54 PTAKE SUMMARY (TAKE SUMMARY (TAKE SUMMARY (TAKE SUMMARY (TAKE SUMMARY (TAKE SUMMARY (GR/PLANT)	10-4227 24-96% 21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6878  21-687	4.593 1.501 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.349 2.4962 14.855 12.496 13.285 12.290 9.568 13.481 1	#BER: 94 1.263-03  #BER: 94 1:15 1:17  ASU 1.653-0; 1.348-0; 8.013-0; 1.418-0; 3.118-0; 3.118-0; 7.153-0; 7.153-0; 7.253-0; 7.253-0;	
5313 5314 5315 5316 5316 5316 5316 5316 5316 5316	PLEASAM UCLIDE: SOIL A PLANT PART SMOOT STALK LEAVES	114 114 114 114 114 114 114 114 114 114	PLANT US NUMBER OF PLANTS 10 13 10 13 10 10 10 10 10 10 10 10 10 10	11.9742 46.5798 34.9826 TABLE A- 54 PTAKE SUMMARY PTAKE SUMMARY (GN/PLANT) 0.4807 0.7019 0.3367 0.5712 3.367 0.5712 3.367 0.5712 3.4600 21.4600 27.4636 7.1440 25.4863 19.4645 2.4674	10-4227 24-96% 21-6877 21-6877 21-6877 21-6877 21-6877 21-6877 21-6873	4.593 1.502 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.349 2.349 2.349 2.349 2.349 2.349 2.349 2.349 2.349 3.349	#BER: 54  1.458-03  *** 115  1.458-03  1.458-03  1.418-03  1.418-03  7.158-03  5.158-03  7.258-03  3.708-03
5313 5314 5315 5316 5316 5316 5316 5316 5316 5316	PLEASAN  PLEASAN  PLEASAN  PLANT  PART  SHOOT  SHOOT  STALK  LEAVES  STALK  LEAVES  STALK  LEAVES  STALK  LEAVES  STALK   114 114 114 114 114 114 114 114 114 114	PLANT UI  NUMBER OF PLANTS  4 15 10 10 10 11 11 11	11.9742 46.5798 34.9826 TABLE A- 54 PTAKE SUMMARY (TAKE SUMMARY (TAKE SUMMARY (TAKE SUMMARY (TAKE SUMMARY (GN/PLANT) 0.4807 0.7019 (0.3367 0.5712 4.9360 2.4460 27.4458 7.1440 29.4863 19.4645 2.4474 1.4680 9.6297	10-4227 24-96% 21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6878  21-687	4.593 1.501 2.334	#BER: 94 1.263-03  #BER: 94 1:15 1:17  ASU 1.653-0; 1.348-0; 8.013-0; 1.418-0; 3.118-0; 3.118-0; 7.153-0; 7.153-0; 7.253-0; 7.253-0;	
5313 5314 5315 5316 5316 5316 SOIL1 RADIONI INITIA INITIA 5401 5402 5403 5404 5405 5406 5407 5408 5407 5408 5407 5410 5411 5412 5412 5413	PLEASAMUCLIRE: SOIL A PLANT PART SMOOT STALK LEAVES STALK LEAVES STALK TASSEL SILK SILK	114 114 114 114 114 114 114 114 114 114	PLANT UI  (ID/S/GI  NUMBER OP PLANTS  10 10 3 1 1 1 1 2 4	11.9742 46.5798 34.9626 TABLE A- 54 PTAKE SUMMARY N): 1459.00 DRY WEIGHT (GM/PLANT) 0.7019 0.3367 0.5712 3.5300 4.8168 26.4400 27.4450 29.4803 19.4645 2.6474 1.6680	10-4227 24-96% 21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6877  21-6874 21-	4.593 1.502 2.334 2.334 2.334 2.334 2.334 2.334 2.334 2.325 2.326	#BER: 54 1.263-03  #BER: 54 2: 115 2: 127  ASU 1.653-07 1.413-07 1

TABLE 4- 33

			PLANT UP	TAKE SUMMARY	: CORN		
SGIL:	<u>Pleasan</u>	TON LOA	L			MTAINER_NU	HAER: 55
<u>radionu</u>	CLIDE:	CS-137			QA	TE PLANTED	1112
INITIAL	SOIL A	CTIVITY.	(D/\$/68	11 1459.00		<u>TE EPERFED</u>	1_127
			MUMBER		COUNT ING	SPECIFIC	4611
<u>Sample</u> Number	PART	IDAYSI	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GH)	UZA
5501	SHOOT	_14		0.5640	3-0240	21.321	1-158-02
5502 5503	SHOOT	42	10	0.9475 0.3349	9.6748	32.647 15.927	1.748-02 0.578-03
3504	LEAVES	50	<del></del> -	0.7473	- 3.9781	15.028	0.048-03
5505	LEAVES	_65_	<u>i</u> _	4.7396	4.1159	14.087	1-613-02
5506 5507	STALK LEAVES	65 79	3	4.6516 23.3550	13.9549 <b>8.555</b> 0	19.093 11.792	0,128-03 7,42 <b>8-</b> 03
5508	STALK	77		19.6300	17.6300	4.739	3,628-03
5109	TASSEL		<u> </u>	4.6734	4.4554	9.572	5.154-01
5510 5511	LEAVES STALK	114	1	24.4440	7.0140	15.862 10.736	0.538-03 5.784-01
5512	TASSEL	114	<del></del>	3.0550	4.1100	7.750	4.178-03
5513	SILK	114		2.1703	4.5110	16.253	4.748-03
5514 5515	HUSK KERMEL	114	3	10-5707	11.5420	3.684 2.171	1.768-03
5516	COS	114		41.3485	14,8770	3.846	2.078-01
,,,,				TABLE A- 54			
	DAKLEY		PLANT W	TABLE A- 54	/: CORM	ONTAINES M	
SQ1L:		SANDY L	PLANT VI	TABLE A- 54	C: GORN		IMBER: 5
SOIL: RADION	DAKLEY UCLIDE:	SANDY L CS-137	PLANT UI	TABLE A- 54	CORM CO	ONTAIMER M	IMBER: 5
SOIL: RADICM INITIA	DAKLEY UCLIDE: L SOIL A	SANDY L CS-137 CTIVITY	PLANT UI  CAM  (D/S/GI  NUMBER	TABLE A- 54 PTAKE SUMMARY	COUNTING	ONTAINER M ATE PLANTEL ATE EMERGES SPECIFIC	MBER: 5
SCIL: RADION	DAKLEY UCLIDE: SOIL A	SANDY L CS-137	CAM (D/S/G)	TABLE A- 54	CDRM CD	ONTAIMER M ATE PLANTES ATE EMERGES	IMBER: 5
SOIL: RADICM INITIA SAMPLE NUMBER	OAKLEY UCLIDE: SOIL A PLANT PARY	SANDY L CS-L37 CTLYLTY AGE (DAVS)	CAM LD/S/GI NUMBER OF PLANTS	TABLE A- 54 PTAKE SUMMARY  MARKE SUMMARY  MARKE SUMMARY  MARKE SUMMARY  ORY MEIGHT  O:4938	COUNTING ORY MEIGHT (GRAMS)	ONTAIMER MA ATE PLANTES ATE EMERGES SPECIFIC ACTIVITY (D/S/GM)	IMBER: 5: 1: 115 1: 127 ASU
SOIL: RADICM INITIA SAMPLE NUMBER	DAKLEY UCLIDE: L SOIL A PLANT PARY	SANDY L CS-131 CTIVITY AGE (DAVS)	CAM (D/S/G)	TABLE A- 54 PTAKE SUMMARY  MAR 1837.00  ORY MEIGHT (GM/PLANT)  0.4538 1.0371	COUNTING ORY MEIGHT (GRAMS)	ONTAIMER MATE PLANTES ATE EMERGES SPECIFIC ACTIVITY	MBER: 5: 1: 115 1: 127 ASU 1.298-0 8.608-0 8.608-0
SOIL: RADICMI INITIA SAMPLE NUMBER 5601 5602 5603 5604	DAKLEY UCLIDE: SOIL A PLANT PART SHOOT SHOOT STALK	SANDY L CS-137 CTIVITY AGE (DAVS) 34 42 90	CAM  LD/S/GI  HUMBER OP PLANTS  6 11	TABLE A- 54  PTAKE SUMMARY  MARKE SUMMARY  MARKE SUMMARY  ORY MEIGHT  (GM/PLANT)  0.4538 1.0371 0.3005 0.9012	COUNTING DRY MEIGHT (GRAMS)  2.7227 11.4081 1.80823 5.7574	SPECIFIC ACTIVITY (D/S/GM)  297.951 162.728 157.959	MBER: 5: 1: 115 1: 127 ASU 1:298-0 8.648-0 8.648-0 8.548-0
SOIL: RADICM INITIA SAMPLE NUMBER 5401 5402 5403 9404	DAKLEY UCLIDE: L SOIL A PLANT PART SHOOT STALK LEAVES	SANDY L CS-131 CILVITY AGE (DAVS) 14 42 50 50	PLANT UI  COM  CD/S/GI  NUMBER  OF  PLANTS  6  11	TABLE A- 54  PTAKE SUMMARY  M): 1637.00  ORY BEIGHT (GM/PLANT)  0.4538 1.0371 0.3005 0.9612 4.7025	COUNTING DRY WEIGHT (GRAMS)  2-7227 11-001 1-8023 2-7574 3-0775	SPECIFIC ACTIVITY (D/S/GH)  237.851 162.728 157.959 196.814	MBER: 5: 1: 115 1: 127 ASU 1:293-0 8:863-0 8:548-0 8:548-0
SOIL: RADICHI INITIA SAMPLE NUMBER 5601 5602 5603 9404 5605	CAKLEY UCLIDE: SQIL A PLANT PARY SHOOT STALK LEAVES STALK LEAVES	SANDY L CS-137 CTIVITY  AGE (DAVS)  14 2 90 50 65	PLANT UI  OAM  ID/S/GI  MUMBER  OP  PLANTS  11  6 3	TABLE A- 54 PTAKE SUMMARY  M1: 1827.QQ  QRY MEIGHT (GR/PLANT)  Q.4538 1.0371 Q.30Q5 Q.9012 4.7Q25 3.0692	COUNTING DRY MEIGHT (GRAMS)  2.7227 11.4001 1.8023 5.7574 3.8775 9.2076 4.5345	SPECIFIC ACTIVITY (D/S/GN)  237.851 162.728 157.959 156.814 157.416	MBER: 5 0: 115 0: 127 ASU 1.298-0 8.698-0 8.548-0 8.548-0 8.548-0 8.548-0
SOIL: RADICM INITIA SAMPLE NUMBER 5401 5403 5404 5405 5406 5407	PLANT PART SHOOT STALK LEAVES LEAVES STALK STALK LEAVES STALK STALK STALK STALK STALK	SANDY L CS-131 CILVITY AGE (DAVS) 14 42 50 50 99 65 79	PLANT UI  OAM  ID/S/GI  MUMBER  OP  PLANTS  11  6 3	TABLE A- 54  PTAKE SUMMARY  M3: 1827.QQ  QRY MEIGHT (GM/PLANT)  Q.4538 1.0371 Q.3005 Q.9012 4.7025 3.0092 24.1390	COUNTING DRY WEIGHT (GRAMS)  2-7227 11-4081 1-8053 5-7674 3-80779 9-2074 4-5249 24-1390	SPECIFIC ACTIVITY (D/S/GH)  237.851 162.728 157.959 196.814 157.959 196.814	188ER: 5: 1: 115 1: 127 ASU 1: 293-0 8.863-0 8.548-0 8.778-9 8.463-0 7.718-0 3.458-0
SOIL: RAPICH INITIA SAMPLE NUMBER 5402 5403 5404 5405 5406 5407 5408	CAKLEY UCLIDE: SQIL A PLANT PART SHOOT STALK LEAVES LEAVES STALK LEAVES STALK TASSEL	SANDY L CS-131 CTIVITY  AGE (DAYS)  14 42 90 90 90 97 79 79	PLANT UI  CAM  LD/S/GI  NUMBER  OF  PLANTS  11  0  3  1 1	TABLE A- 54  PTAKE SUMMARY  M11 1827-00  ORY MEIGHT (GM/PLANT)  0.4538 1.0371 0.3005 0.9612 4.7025 3.0692 14.4845 24.1390 5.4335	COUNTING ORY MEIGHT (GRAMS)  2.7227 11.4001 1.8023 5.7674 3.6775 9.2074 4.2345 24.1340 5.9335	SPECIFIC ACTIVITY (D/S/GM)  237.451 162.726 157.959 156.814 157.416 159.325 141.593	ASU  1.292-0  8.862-0  9.542-0  8.542-0  8.712-0  3.462-0  7.712-0  3.468-0  4.868-0
SOIL: RADICM INITIA SAMPLE NUMBER 9602 9603 9604 9605 9607 9608 9609 9609	CAKLEY UCLIDE: SQIL A PLANT PARY SHOOT STALK LEAVES STALK LEAVES STALK TASSEL LEAVEL	SANDY L CS-131 CTIVITY  AGE (DAVS)  14  42  50  50  95  79  79  79	CAM  CD/S/GI  NUMBER OF PLANTS  6 11 6 3 3	TABLE A- 54 PTAKE SUMMARY  MAI 1827.00  ORY MEIGHT (GM/PLANT)  0.4338 1.0371 0.3005 0.9012 4.7025 3.0092 18.4845 24.1390 5.48335 20.9515	COUNTING ORY MEIGHT (GRAMS)  2.7227 11.4081 1.8053 5.7674 3.0775 9.2074 6.5243 24.1390 5.8335 5.2015	SPECIFIC ACTIVITY (D/S/GM)  237.851 162.728 157.959 196.814 157.916 157.916 291.851	MBER: 5 12: 115 12: 127 ASU 1.293-0 8.663-0 8.548-0 8.548-0 7.718-0 3.458-0 1.173-0
SOIL: RADICH INITIA SAMPLE NUMBER 5602 5603 5604 5607 5609 5610 5612	PLANT PART  SHOOT STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK ANSSEL LEAVES STALK ANSSEL LEAVES STALK ANSSEL LEAVES STALK ANSSEL LEAVES	SANDY L CS-137 CILVITY  AGE (DAVS)  14  42  90  50  65  79  79  114  114	PLANT UI  CAM  (D/S/GI  NUMBER  OF  PLANTS  11  6  3  3 1 1 1 2	TABLE A- 54  PTAKE SUMMARY  MIL 1827.00  ORY MEIGHT (GM/PLANT)  0.9538 1.0371 0.3005 0.9612 4.7025 3.0492 14.4845 24.1390 5.2335 20.9515 17.7238	COUNTING ORY MEIGHT (GRAMS)  2.7227 11.4081 1.8023 2.7674 4.2342 24.1390 2.8339 5.2015 5.8238 4.6390	SPECIFIC ACTIVITY (D/S/GM)  237.251 162.728 157.959 156.814 157.916 159.325 141.593 69.192 215.527 160.339	1.293-0 1.2
SOIL: RADICH INITIA INITIA SAMPLE NUMBER 5602 5603 5603 5604 5605 5607 5608 5609 5611 5613	CAKLEY  UCLIDE:  SOIL A  PLANT PARY  SHOOT STALK LEAVES STALK LEAVES STALK TASSEL STALK TASSEL STALK TASSEL STALK TASSEL STALK TASSEL STALK TASSEL	SANDY L CS-137 CTLY2TY AGE (DAVS) 14 90 50 95 79 79 114 114 114	PLANT UI  COM  CD/S/GI  NUMBER  CP  PLANTS  6  11  6  3  1  1  1  2 4	TABLE A- 54 PTAKE SUMMARY  MAI 1827.00  ORY MEIGHT (GM/PLANT)  0.4338 1.0371 0.3005 0.9012 4.7025 24.1390 248485 24.1390 17.7838 2.3195 1.4610	COUNTING ORY MEIGHT (GRAMS)  2.7227 11.4081 1.8023 5.7674 3.8779 9.2076 4.2243 24.1390 5.8038 4.6390 4.6440	SPECIFIC ACTIVITY (D/S/GM)  297.851 162.728 157.959 156.814 157.916 155.325 141.593 63.446 67.192 215.527 188.881	ASU  1.293-0 8.868-0 9.603-0 8.748-0 8.748-0 1.178-0 1.178-0 1.178-0 1.178-0 1.178-0 1.178-0
SOIL: RADICH INITIA SAMPLE NUMBER 5602 5603 5604 5607 5609 5610 5612	PLANT PART  SHOOT STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK ANSSEL LEAVES STALK ANSSEL LEAVES STALK ANSSEL LEAVES STALK ANSSEL LEAVES	SANDY L CS-137 CILVITY AGE (DAVS) 14 42 90 65 79 79 79 79 114 116 114	PLANT UI  CAM  (D/S/GI  NUMBER  OF  PLANTS  11  6  3  3 1 1 1 2	TABLE A- 54  PTAKE SUMMARY  MIL 1827.00  ORY MEIGHT (GM/PLANT)  0.9538 1.0371 0.3005 0.9612 4.7025 3.0492 14.4845 24.1390 5.2335 20.9515 17.7238	COUNTING ORY MEIGHT (GRAMS)  2.7227 11.4081 1.8023 2.7674 4.2342 24.1390 2.8339 5.2015 5.8238 4.6390	SPECIFIC ACTIVITY (D/S/GM)  237.251 162.728 157.959 156.814 157.916 159.325 141.593 69.192 215.527 160.339	1.293-0 1.2

TABLE A- ST

1701 5702 1703	Line:	11- 15		DRY MRIGHT		TE PLACTED  TE EMBASED  SPECIFIC ACTIVITY (D/S/SH)	1 165
\$701 \$702 \$702 5704	PLANT PART THOOT LEAVES	ARE (DAYS)	MJMSER GF	DAY METENT (GM/PLANT)	COUNTING DRY MEXICHT	SPECIFIC ACTIVITY	
9701 9702 9702 9704	SHOOT LEAVES	(DAYS)	<u>CP</u>	(SM/PLANT)	DRY NO IGHT	ACTIVITY	UZA
9701 9702 9702 9704	SHOOT LEAVES	(DAYS)		(SM/PLANT)			ASU _
\$702 1703 5704	LEAVES						
5703 5704		49		4.3923		1724-454	5.298+00
5704		- 42	10	0.2374	2.3738 0.4721	1001-774	0.298+00 3.518+00
4764	LEAVES	38		1.5524	6,2110	749.994	2.298+00
4	1768	34		0.0301	3,4005	3091-204	1.441+00
5704	LEAVES	70	1	21.7307	21.7307	1009.513	3.332+00
	3784	<u> </u>	<del></del>			532-557	
5708 5769	PLOWER	70 126	•	2.7158 18.6679	2.7150	42.909	1.929-01
5710	STER	124	<del>- 1</del> -	36. 9728	4.5224	402.413	1.848+00
1711	PRELS	110	i	13.9349	9.8849	74.149	1.338-0
	MEAT	120	1	70.7400	4.0000	43.393	1.338-01
	PRULT	120	<u></u> _	97.8633 3.7300	- 31-31 <del>40</del>	- 20.299 - 451.163	4.212-02

TABLE A- 50

PLANT UPTAKE SUNHARY: TORATO								
SOILI	ADFO 211	TY CLA	·	GONTAINER NUMBER: SI				
RADIONU	CLIDEI	18- 45		DATE PLANTED: 165  DATE SHERGED: 117				
	ADIL A		10/3/04					
SAMPLE	PLANT	AGE	HUMBER	DRY MEIGHT	COUNTING DRY MEIGHT	SPECIFIC	ASU	
WER	PART	(DAYS)	PLANTS	(SM/PLANT)	(SRAMS)	(D/S/GA)		
5001	SHOOT	29		8-2912	1,4566	2122-474	4.498+90	
5002 5003	LEAVES	42	1	0.9794	4.0071	2175.572	4.668+00	
3804	LEAVES	<del>- 42</del>		8.3834 2.5767	10.3008	1732-248 738-100	3,308+00 2,248+00	
3403	ITEM	<b>51</b>	- 1	1.6314	4.5255	1143-294	3.503+00	
5004	I, CAVES	70	1	16.1080	14.1000	924.100	2.838+00	
5887	3784			14-9550	_14.9550_	544-245	1.071-00	
5000	PLOWER	70	į	1-1915	1.1915	109.480	3.358-01	
3801	<del>- řevása</del>	120	<del></del>	12-1053	1.5651	<u> </u>	2.708+00	
5010 5011	STEM PEELS	120	į.	34.3269 17.4343	5.4269 1.2543	454.711	1.392+00	
5012	HEAT	120	<del></del>	15.7000	7.1400	49.404 37.050	2-128-01 1-138-01	
5813	PRUIT	120	•	116.0733	49.4400	24.350	7.458-02	
5114	ROOT	126		4.2924	4.2924	429.988	1.323-00	

ÎADLE A- 29

SGILI	YOLG SI	TY CLA	<u> </u>	CONTAINER MUMBER: 51 DATE PLANTED: 165 DATE EMERGED: 177			
RADION	CLIDE:	SR- 45					
INITIAL	SOIL A	HIVLTY	(D/S/GM				
			MUMBER		COUNTING	SPECIFIC	
<u>Sample</u> Number	PLANT	(DAYS)	PLANTS	(GP/PLANT)	ORY WEIGHT (GRAMS)	(C/S/GH)	ASU
5901	LEAVES	126	1	5.8115	5.6115	1212-494	3.712+00
5902	STEM	126	ī	9.4610	7.4410	986.726	3-028+00
5903	TUBER	126	1	33.7304	29-1811	17.662	1-158-01
5904	MEAT	126	1	30.1423	30.1423	27.397	4.388-02
5903	PEELS	126		5-0264	5.0264	95.324	2-928-0
5904	ROOT	126	1	1.3244	1.3244	1420.515	4.358+00

TABLE A- 60

OLC SIL	TY CLA	Y		~ ~		
LIDE:			CONTAINER NUMBER: 60			
	SR- 85					
SOIL AC	TIVITY	(D/S/GM	): 324.40	DA	TE EMERGED	: 177
DI ANT	ACE	NUMBER	ARV HEIGHT	COUNTING	SPECIFIC	ASU
PART			(GM/PLANT)	(GRAMS)	(D/S/GM)	A3V
LEAVES	126	1	14,4577	14.4577	1380.502	4-229+00
STEM	126	1	43.6684	10.2284	879.674	2.498+00
						1.318-01
		ı				1.988-01
		- — <u>i</u> —				4-188-0
	PLANT PART LEAVES	PLANT AGE PART (DAYS)  LEAVES 126 STEM 126 TUBER 126 PEELS 126	PLANT AGE OP PART (DAVS) PLANTS LEAVES 126 1 STEM 126 1 TUBER 126 1 MEAT 126 1 PEELS 126 1	NUMBER PLANT AGE OF ORY WEIGHT PART (DAVS) PLANTS (GM/PLANT)  LEAVES 124 1 14.0577 STEM 126 1 37.7407 TUBER 126 1 37.7407 MEAT 126 1 24.6403 PEELS 126 1 4.0998	NUMBER   COUNTING	NUMBER   COUNTING   SPECIFIC

				TABLE A- 41			
			1 1 1 1 1 1	TENS SUMMER	: COM		
EIL:	YOLO SI	TY CLAY			co	HTAINER MA	HARRI 61
RAD I CHU	CLIDE:	SR- 05			O.A.	TE PLANTED	: 145
			10/2/64	11 324.40		TE EMERGED	
BALLA	3715	LILLI	10/4/30	II ARRIVEL		I.B. Brances	<u> </u>
			MUMBER		COUNT ING	SPECIFIC	
NUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GH)	USU
4101	LEAVES	. 29	10	0.4953	4.1535	677.Q4B	2.078+00
6102	STALK	24	10	0.2131	2-1310	547.937	1.688+00
6103 6104	LEAVES STALK	<u> 42</u> 42	2	7-1265 3-3630	14.2571 6.7659	354 <u>210</u> 360.771	1.138+00
6105	LEAVES	58		14-3920	5-9490	203-341 95-377	2-928-01
6104 6107	STALK Tassel		i_	1.4410	3.4410	29,544	9.048-0
4108	STALK	76 76	1	24-2150	5.0350 8.8160	239.129 112. <b>8</b> 03	7.328-01
4110	TASSEL	74	ī	3.2390	3.2390	69.372	2.738-01
4112	SILK	76	1	3.4488 1.0036	3.6638 1.0036	33.048 18.749	1.018-01 5.748-02
aiii.	MUSK	74_	1	4-7215	4-7215	46 - 228	1-418-0
4114 4115	TASSEL Stalk	90	1	3.4239 27.6174	3.4239 15.5174	69.940 84.979	2.400-01
4116	LEAVES	90	1	23-0512	4.4312	192-216	5.848-0
4117 4118	SILK	<del>90</del>	1-	7-7549 1-2241	7 <u>-7569</u> 1-2741	13.274	4.048-0
6120	COB	90	-	9.5548 10.5358	26.6327 12.5154	10-037	1.418-02 3.078-02
				TABLE A- 42	!		
		1	PLANT UP	TAKE SUMMARY	t COM		
SCIL:	YOLG \$1	LTY CLA	Y		CO	NTAINER NU	MBER: 6
RADIONL	CLIDE:	SR- 85			04	TE PLANTED	1 169
INITIAL	L SOIL A	CTIVITY	(0/5/6	11 124.40	04	TE EMERGED	: 177
			NUMBER		COUNT ING	SPECIFIC	
<u>Sample</u> Mumber	PLANT	(DAYS)	PLANTS	GRY WEIGHT	ORY WEIGHT	(D/S/GN)	ASU
		<del></del>					
4201	LEAVES		10	0-8381	6.2010	709.077	2.178+0
6202 62 <b>03</b>	STAUK Leaves	42	10	0.2724 2.9325	2.7275 11.7300	587.451 476:429	1.000+0
4204	STALK	42	4	1.2496	4.9984	348.584	1.078+0
6205	LEAVES STALK	58 58	<del>- 1</del> -	22.4923 14.6045	4.8723 5.9045	239.240 109.537	7.328-0 3.358-0
4207	TASSEL	58	<u> </u>	1-1410	3-1410	37.751	1-148-0
4209 4209	LEAVES STALK		1	17.1269 23.1059	5.4669 9.3959	191.575 86.368	5.042-0 2.642-0
4210 6211	TASSEL EAR		1	3-2125	3.2125 1.7115	50.565 37.536	1.558-C 1.158-0
6212		76	1	1.0256	1-0254	8.069	2.478-0
	SILK						
6213	HUSK	76		3.0144	3.0184 4.3207	50.386 81.003	2-488-0
6213 6214 6215	HUSK TAESEL STALK	76 90 90	1	3.0164 4.3207 30.1374	4.3207 9.8074	\$1.003 95.464	2.488-0
6213 6214 6215 6216 6217	HUSK TAESEL STALK LEAVES HUSK	76 90 90 90	1	3.0184 4.3207 30.1374 28.7547 8.1424	4.3207 9.8074 6.8747 8.1424	\$1.003	2.488-0
6213 6214 6215 6216	HUSK TAESEL STALK LEAVES	76 90 90 90 90	1	3.0184 4.3207 10.1374 28.7547	4.3207 9.8074 6.8747	81.003 95.464 205.879	2.488-0 2.928-0 6.308-0

TABLE A- 61

uno I da n	YOLO SU		PLAGT UP	TAKE SUMMARY	: WHE AT		
uno I da n							
	a	TY CLA	Υ			MTAIMER MA	10E0: _43
INITIAL	CL LOE:	SR- 45		<del></del>	OA.	TE PLANTER	145
	SOIL A	TIVITY	10/3/68	1: 326-80	BA	<u> 18. energed</u>	171
Sample Number	PLANT PART	AGE (CAYS)	NUMBER OF PLANTS	DRY WEIGHT	COUNTING DRY WEIGHY (GRAMS)	SPECIFIC ACTIVITY (0/5/6P)	ASU
6301	SHOOT	29	40	0.0905	1.6207	297.943	9-128-01
							5.298-01 1.128-01
6304	HEAD	58	10	0.4152	6.1520	30.040	9-198-02
4305	STALK	34	10	0.4414	4.4140	74.584	2.408-01 8.568-01
63Q7	HEAD	85	10	1.4638	14.4376	11.575	3.548-02
4398	STALK	0.5	10	0.444	4.4837	123.044	3.778-01
							7-448-01 4-498-02
6311_	STALK	- 65		0.7797	7.7947	122.705	3.758-01
6312	LEAVES	85	10		2.0364	240.016	7.348-01
	STALK	90	10	0.6082	6.0822	180.577	5.338-02 5.338-01
6314			10				
4319	LEAVES	90	10	0-1201	1.2010	325.477	3-14 5-07
					1,2010 20,0000 5,0000		9.64 9-01 3.603-02 1.228-01
4315	LEAVES GRAIN	90	10 232 232 232	0-1201 0-4841 0-0380	1.2010 20.0000 5.0000	325.477 11.755	3.603-02
4315	LEAVES GRAIN	90	10 232 232 232	0.8841 0.0380 TABLE A- 64	1.2010 20.0000 5.0000	325.477 11.755	3.603-02
4315 4316 4317 5011:	CHAFF	90 90 90	10 232 232 232	C.1201 0.8841 0.0380 TABLE A- 64	1.2010 20.0000 5.0000	325.477 11.755 40.201	3.60)-02 1.278-01
4319 4316 4317 SGIL: RADION	YOLO SI	10 10 10 10 10 10 10 10 10 10 10 10 10 1	232 232 232	C.1201 0.8841 0.0380 TABLE A- 64	1.2010 20.0000 5.0000	325.477 11.755 40.201	9.60)-02 1.272-01 MBER: 64
4319 4316 4317 SGIL: RADIOM	YOLO SI	PÓ PO PO PO SR- BS CTIVITY	PLANT UI	C.1201 C.8841 C.0380 TABLE A- 64 PTAKE SUMMARY	1.2010 20.0000 5.0000 2.0000	325.477 11.795 40.201  ONTAINER NU ATE PLANTED ATE EMERGED	3.60/B-02 1.272-01 MBER: 64
4319 4316 4317 SGIL: RADION	YOLO SI	PÓ P	10 232 232 232 PLANT UI	C.1201 C.8841 G.0380 TABLE A- 64	1.2010 20.0000 5.0000	325.477 11.755 40.201 ONTAINER MA	9.60)-02 1.272-01 MBER: 64
SGIL:  AADIONI INITIAI  SAMPLE NUMBER	YOLO SI JGLIDE: SCIL A PLANT PART	90 90 90 90 SR- 92 CTIVITY	PLANT UI  Y  (D/S/GI  NUMBER  OF  PLANTS  40	C.1201 C.8841 C.0380  TABLE A- 64 PTAKE SUMMARY  11: 324.80  DRY MEIGHT (GM/PLANT)	1.2010 20.0000 5.0000 (2 MHEAT (2 MHEAT (3 MHEAT (4 MEAT)	SPECIFIC ACTIVITY (0/S/GH)	3.600-02 1.222-01 HBER: 44 1: 165 1: 171 ASU
SGIL: RADIOMI INITIAL SAMPLE NUMBER 6401	YOLO SI JCLIDE: SCIL A PLANT PART SHCOT SEL	PÓ P	PLANT UI  Y  OF  PLANTS	C.1201  C.8841  C.0380  TABLE A- 64  PTAKE SUMMARY  11: 326.80  DRY WEIGHT (GM/PLANT)  C.1144  C.5443	1.2010 20.0000 5.0000 5.0000 (I WHEAT COUNTING ORY MEIGHT (GRAMS)	325.477 11.755 40.201  ONTAINER MATERIAL PLANTER ATE P	9.60/B-02 1.272-01 MBER: 64 12.165 12.171 ASU
SGIL: RADIONI INITIAL SAMPLE NUMBER 6401 6402 6403 6404	YOLO SI JGLIDE: SCIL A PLANT PART SEL HEAD HEAD	SR- 82 CTIVITY  AGE (DAYS)  29 42 42 98	PLANT UI  Y  OF  PLANTS  A0  10  10	C.1201 C.8841 C.0380 TABLE A- 64 PTAKE SUMMARY PTAKE SUMMARY CONTROL OF SUMMARY	1.2010 20.0000 5.0000 5.0000 (3.0000 (4.0000) (5.0000) (6	325.477 11.755 40.201 201 201 201 201 201 201 201 201 201	3.60/B-02 1.272-01 HBER: 64 1: 165 1: 171 ASU 6.318-01 1.028-01 1.028-01
4319 4316 4317 SGIL: RADIONI INITIAL SAMPLE NUMBER 4401 4402 4403 4403 4405	YGLO SI JGLIDE: SCIL A PLANT PART SHCOT SEL HEAD STALK	90 90 90 90 SR- 95 CTIVITY AGE (DAVS) 29 42 42 42 58	PLANT UI  Y  IQP PLANTS  40 10 10 10	C.1201 0.8841 0.0380  TABLE A- 64  PTAKE SUMMARY  11: 326.80  DRY WEIGHT (GM/PLANT)  0.5443 0.2140 0.5857 0.4257	1.2010 20.0000 5.0000 5.0000 (I WHEAT COUNTING ORY MEIGHT (GRAMS) 4.0040 5.4428 2.1397 5.0572 4.2575	325.477 11.755 40.201  ONTAINER NO OTE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (0/S/GH)  271.466 179.603 34.254 33.470 95.792	3.60/B-02 1.272-01 1.272-01 MBER: 64 12 165 12 171 ASU 1.058-01 1.058-01 1.028-01 2.638-01
\$319 6316 6316 6317 SGIL: RADIONI INITIAI SAMPLE NUMBER 6401 6402 6403 6404 6405 6406	YOLO SI JGLIDE: SCIL A PLANT PART SEL HEAD HEAD	90 90 90 90 90 SR- 85 CTIVITY AGE (DAYS) 42 42 42 58 58	PLANT UI  Y  OF  PLANTS  A0  10  10	C.1201 0.8841 0.0380  TABLE A- 64 PTAKE SUMMARY  11: 326.80  DRY WEIGHT (GM/PLANT)  G.1146 0.5443 0.2140 0.5857 0.3857 0.3047	1.2010 20.0000 5.0000 5.0000 (12 MHEAT (22 MHEAT (32 MHEAT (4.0000 (4.0000)	325.477 11.755 40.201  ONTAINER NU ATE PLANTEE ATE EMERGEE  SPECIFIC ACTIVITY (0/S/GH)  271.464 179.603 34.254 33.470 95.792 298.183	3.60/B-02 1.272-01 HBER: 64 1: 165 1: 171 ASU 6.318-01 1.028-01 1.028-01
\$319 4316 4317 \$GIL: #ADIOM INITIAL WMBER 4401 4402 4403 4404 4405 4406 4407 4408	YOLO SI JOLIDE: SCIL A PLANT PART SHEAD HEAD STALK LEAVES HEAD STALK	90 90 90 90 90 SR- 93 CTIVITY AGE (DAYS) 29 42 42 42 58 58	PLANT UI  Y  (D/S/GI  NUMSER  OF  PLANTS  40  10  10  10  10  10  10	C.1201 C.8841 G.0380 TABLE A- 64 PTAKE SUMMARY GREAT (GM/FLANT) G.1144 C.5443 G.2140 G.5857 G.2257 G.3047 J.2892 G.7777	1.2010 20.0000 5.0000 5.0000 (S.0000 (S.0000 (S.0000) (S.0000) (S.0000) (GRAMS) 4.6640 9.4428 2.1397 5.6972 8.2575 3.0465 13.8922 7.7772	325.477 11.755 40.201  INTAINER NU ATE PLANTEE ATE EMERGEE  SPECIFIC ACTIVITY (O/S/GH)  271.464 179.603 34.254 39.470 49.792 296.183 15.852 127.976	3.60/B-02 1.278-01 MBER: 64 12 165 12 171 ASU 6.318-01 5.508-01 1.058-01 1.058-01 9.128-01 4.858-0
\$319 4316 4317 \$GIL: RADIONI INITIA! \$AMPLE NUMBER 4401 6402 6403 6404 6405 6406 6407 6407 6408 6409	YGLO SI  YGLO SI  JCLIDE:  SCIL A  PLANT PART  SACOT SCIL HEAD HEAD HEAD STALK LEAVES HEAD STALK LEAVES	40 90 90 90 90 90 SR- 85 CTIVITY AGE (DAYS) 29 42 42 58 58 58 74	PLANT WI 232 232 232 PLANT WI Y 10 10 10 10 10 10 10 10 10	C.1201 0.8841 0.0380  TABLE A- 64 PTAKE SUMMARY  11: 324.80  DRY WEIGHT (GM/OLANT)  0.9443 0.9443 0.2140 0.9857 0.3047 1.3892 0.7777 0.22379	1.2010 20.0000 5.0000 5.0000 (I WHEAT (I WHEAT (GRAMS) 4.6640 5.4640 2.1397 5.8572 4.2575 3.0465 13.8922 7.7772 2.23787	325.477 11.755 40.201  ONTAIMER NO. ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (0/S/GM)  271.464 179.603 39.254 39.470 95.792 298.183 15.852 127.974 263.220	3.60/B-02 1.272-01 MBER: 64 1: 165 1: 171 ASU 2.508-01 1.028-01 2.628-01 9.128-01 4.658-02 3.928-01 4.658-02 3.928-03
\$319 4316 4317 \$GIL: #ADIOM INITIAL WMBER 4401 4402 4403 4404 4405 4406 4407 4408	YOLO SI JOLIDE: SCIL A PLANT PART SHEAD HEAD STALK LEAVES HEAD STALK	90 90 90 90 90 SR- 93 CTIVITY AGE (DAYS) 29 42 42 42 58 58	PLANT UI  Y  (D/S/GI  NUMSER  OF  PLANTS  40  10  10  10  10  10  10	C.1201 0.8841 0.0380  TABLE A- 64  PTAKE SUMMARY  41: 324.80  O.5843 0.2140 0.5857 0.3047 1.2892 0.7777 0.2379 1.4500 9.7172	1.2010 20.0000 5.0000 5.0000 (3 MHEAT (3 MHEAT (4 MHEAT) (4 MHEAT) (5 MHEAT) (4 MHEAT)	325.477 11.755 40.201  INTAINER NU ATE PLANTEE ATE EMERGEE  SPECIFIC ACTIVITY (O/S/GH)  271.464 179.603 34.254 39.470 49.792 296.183 15.852 127.976	3.60/B-02 1.278-01 MBER: 64 12 165 12 171 ASU 6.318-01 5.508-01 1.058-01 1.058-01 9.128-01 4.858-0
\$319 \$316 \$317 \$GIL: RADIGMI INITIAL SAMPLE NUMBER \$401 \$402 \$403 \$404 \$405 \$406 \$407 \$407 \$409 \$410 \$411 \$412	YGLO SI  YGLO SI  JGLIDE:  SCIL A  PLANT PART  SHCOT SEL HEAD HEAD HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES	40 90 90 90 90 90 80 80 80 80 80 80 80 80 80 80 80 80 80	PLANT UI  Y  O	C.1201	1.2010 20.0000 5.0000 5.0000 (I MHEAT (I MHEAT (	325.477 11.755 40.201  ONTAIMER NO. ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (0/S/GH)  271.466 179.603 34.254 33.470 298.183 15.852 127.974 209.200 33.628 209.255 209.255 209.255	8.60/B-02 1.272-01 1.272-01 MBER: 64 12 165 12 171 ASU 8.318-01 1.058-01 1.058-01 1.028-01 9.128-21 4.928-01 4.928-01 8.028-01 8.028-01
\$319 4316 4317 \$GIL: RADIONI INITIAI \$401 6402 6403 6404 6405 6406 6407 6408 6409 6410 6411 6413	YGLO SI  YGLO SI  JGLIDE:  SCIL A  PLANT PART  SHCOT SEL HEAD HEAD HEAD STALK LEAVES HEAD STALK LEAVES HEAD	90 90 90 90 90 90 42 50 42 50 76 76 85 85 95	PLANT WI 232 232 232 PLANT WI V (D/S/GI NUMBER OF PLANTS 40 10 10 10 10 10 10 10 10 10 1	C.1201 0.8841 0.0380  TABLE A- 54  PTAKE SURMAR!  11: 324.80  DRY WEIGHT (GM/PLANT)  0.5443 0.2440 0.5857 0.49257 1.3892 0.7777 0.2379 1.4500 0.7172 0.1944 1.2912	1.2010 20.0000 5.0000 5.0000 (3 MHEAT (3 MHEAT (4 MHEAT) (4 MHEAT)	325.477 11.755 40.201  ENTAINER NO ATE PLANTES ATE EMERGES  374.464 179.603 33.425 33.470 93.770 93.	3.60/B-02 1.272-01 1.272-01 1.272-01 1.272-01 1.058-01 1.028-01 1.028-01 1.028-01 1.028-01 1.038-01 1.038-01 1.038-01 1.038-01 1.038-01 1.038-01 1.038-01 1.038-01
\$319 4316 4316 4317 \$GIL: RADIONI INITIAL SAMPLE NUMBER 4402 4403 6404 4405 6404 4405 6407 4408 6409 6410 4411 4412	YGLO SI  YGLO SI  JGLIDE:  SCIL A  PLANT PART  SHCOT SEL HEAD HEAD HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES	90 90 90 90 90 SR- 82 ETIVITY AGE (DAYS) 29 42 42 98 58 76 76 76 85 85 90	PLANT UI  Y  O	C.1201	1.2010 20.0000 5.0000 5.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.00000 7.00000 7.00000 7.00000 7.00000 7.00000 7.00000 7.000000 7.00000 7.00000 7.00000 7.00000 7.00000 7.000000 7.00000 7.0000000 7.00000000	325.477 11.755 40.201  ONTAIMER NO. ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (0/S/GH)  271.466 179.603 34.254 33.470 298.183 15.852 127.974 209.200 33.628 209.255 209.255 209.255	8.60/B-02 1.272-01 1.272-01 MBER: 64 12 165 12 171 ASU 8.318-01 1.058-01 1.058-01 1.028-01 9.128-21 4.928-01 4.928-01 8.028-01 8.028-01
6302 6303 6304 6305 6306 6307 6309 6309 6311 6311 6312	SEL HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES HEAD	42 50 50 50 50 65 65 65 65 65 65	10 10 10 10 10 10 10 10 10 10	0.5994 0.2202 0.6152 0.6152 0.2325 1.4638 0.6484 0.2372 1.6408 0.7797 0.2036 1.1424	5.9961 2,2024 6.1520 6.4140 2.3250 14.8376 6.4837 2.3723 16.4878 7.7947 2.0364 13.7596	171.467 43.140 30.040 74.584 279.676 11.375 123.044 242.993 14.686 172.705 240.018 17.048	_

TABLE A- 45

			PLANT UF	TAKE SUMMARY	TOMATO		
IQIL:	HANFORD	SAHDY	CLAY LOA	<u> </u>	C.	ONTAINER IN	MARRI AS
AD LOS	CL IDE:	SR- 05				ATE PLANTED	1.153
INITIAL	SOIL A	ETIVITY	(D/\$/\$#	11 446-70		ATE EMERGE	1 145
IAMPLE	PLANT	AGE	NUMBER	DAY MEJENT	COUNTING	SPECIPEC	
NESHU	PART	(DAYS)		(SM/PLANT)	(GRANS)	(D/S/GA)	ASU
4501	SHOOT	27	30	0.6779	2.3372	11349.059	2.572+61
4502	LEAVES	41	10	0.5704	5.7042	10924.827	2.458+0
4503	STER	41	10	9.1995		12000.034	2.718-0
4504	LEAVES	54	•	2-6202	10.4810	8945,786	2.001+01
4564	LEAVES	94 41	<del></del>		4.3337		1-118+0
4567	1TEM	41	-	5.6345 4.1638	11.6496	9032.994	2.028+0
4540	LEAVES	132	<del></del>	19.3305	4.0405	\$701.544 9398.648	1.283+61 2.102+01
4509	STER	132	•		4.2448	4955.447	1.104+61
4510	PEELS	132	<del></del>	11.1210	0.8318	368,948	8.248-01
4911	MEAT	132	i	42.9800	4.4900	132.991	2.168-0
4512	FRUIT	132	3	73.4267	14.5400	204.511	4.428-0
4513	ROOT	132	ī	1.4075	1.4075	1404.724	7-424-0

TABLE A- 66

			PLANT UP	TAKE SUMMARY	1 TCMATG		
501L:	HANFORD	SANDY	CLAY LQA	H	C	ONTAINER NU	MERRI 40
RADIONU	CL IDE:	SR- 45			0	ATE PLANTED	: 153
INITIAL	SOIL A	CTIVITY	10/3/68	13 446-70	0	ATE EMBREED	1 165
SAMPLE	PLANT	AGE	MUMBER	DRY WEIGHT	COUNTING DRY WEIGHT	SPECIFIC	ASU
NUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GM)	- RAV
6601	SHOOT	27	30_	0.0577	1,7313	12404.559	2.788+0
<b>6603</b>	LEAVES	<u> </u>	10	9-5048	5.0675	15140.542	3.398+01
4403	LEAVES	<u> 41</u>	19	0.1545 3.0242	12.0945	14391.889	3.228+01 2.648+01
4603	STEM	54	7	1.6734	4.4934	5353.427	1.198+01
4404	LEAVES	- 61		11.2218	22.4435	8511.134	1.912+01
6407	STER	61	ž	4.0043	12.G665	4052-803	1.364+0
6468	LEAVES	132	- i	12.1203	12.1203	14788.066	3.318+01
4409	STEM	132		22.4547	7.8047	4392.462	9.838+00
4410	PEELS	132	1	13.6162	1.2062	221.318	4. 958-01
4611	MEAT	132	1_	74.9200	7.0200	134.263	3.013-01
4412	FRUIT	132	3	90.2500	24.2600	155.970	3.498-0
6613	RCOT	132	1	1.7311	1.7311	3202.040	7.358000

TABLE A- 67

OIL:	HANFORD	SANDY (	CLAY LOA		C	MTAIMER M	MBER: 47
	CL IDE:					TE PLANTED	1 153
init ial	SOIL A	TIVITY	(0/8/68	11 444.70	0	TE EMERGED	1 165
		405	NUABER	han uztou?	COUNTING	SPECIFIC	
SAMPLE Number	PART	(DAYS)	PLANTS	CHANLANT)	(GRANS)	(D/S/GA)	<u>ASU</u>
6701	SHOOT	21	30	0.0557	1.4720	11504.722	2.598+01
4702	LEAVES	41	10	0.4452	4.4523	14312.666	3.208+01
4703	STEM	41	10	0.1822	1.6210	18298-161	-2-7 <b>58+</b> 01
4704	LEAVES	54	3	2.7782	1.3344	11595.240	2.608+01
4705	\$7#M	54	1	1.2746	4.1237	7112,594	1.604+01
6704	LEAVES	61	2	7.2293	14.4584	1558.434	2-148+01
67.07	STEM	-61	2	4.7954	1.5101	4385-811	1.438+61
4700	LEAVES	132	· ·	6.4614	4.4414	13434.444	3.018+01
4709	STEM	132	1	17-4902	4.3902	4999-284	1-128+01
6710	PEELS	132		13.0484	0.4084	285.429	4.348-01
4711	MEAT	132	ĭ	75.1500	5.8000	105.494	4-258-01
6712	FRUIT	132	1	63-9433	27.0460	147.927	3.748-01
4713	ROOT	132	ĭ	2.1419	1.1419	4459.335	9.988+00

TABLE A- 68

<del></del>	·		PLANT UP	TAKE SUNHARY	: TCMATO		<del></del>
SCIL:	HAMFDAD	LOAM +	1001 CA	LCTUM	CO	NTAINER NU	HOER: 4
RAD IONU	CL IDE:	SR- 85			DA	TE PLANTED	: 156
INITIAL	SCIL A	CT1V1TY	10/3/GH	): 307.60	QA	TE EMERGED	: 171
			NUMBER		COUNT ING	SPECIFIC	444
SAMPLE NUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GH)	ASU
6891	SHOOT	30	33	0.0342	1.1273	4951-952	1.618+0
6802	LEAVES	43	10	0.3543	3.5630	4065.476	1.588+0
6803	STER	43	10	9.0945	0.9653	3019.890	1.438+0
4804	LEAVES	51	5	1.5972	7.9860	4681-082	1.528+0
4895	STEN	- 51		0.9709	2.9128	3607.301	1-178+01
4804	LEAVES	56	2	5.3469	10.7738	3442.001	1.128+0
4807	STEN	56		2.9411	5.1221	2434-179	7.938+00
4808	LEAVES	129	1	4.7497	4.7697	4265.379	1.378+0
4809	STEM	129	1	17-0452	4.0752	1879.495	6-118+0
6810	PEELS	129	1	14.2102	1.1002	100.453	3.278-0
6011	MEAT	129	1	45.5900	7.5600	29.402	9.568-0
4012	FRUIT	129	3	98.4000	10.8200	122.567	3.788-0
4613	ROOT	129	1	2.0334	2.0334	1483.498	4.428+00

			PLANT_UR	TAKE SUMMARY	; TORATO		<del></del> -
iel <u>l</u> i	HANEDAD.	LGAN +	998 C4	SERVE	Ç.	MTAINES NO	MAIR! 61
RADIONU	CLIDES	38- 45			DA DA	TE PLANTED	: 156
MITIAL	SOIL A	11417	(D/\$/ <b>G</b> H	11 107.40		TE EMERSEO	1 171
SAMPLE	PLANT	AGE	MIMBER	DRY WEIGHT	COUNTING DRY WEIGHT	SPECIFIC ACTIVITY	ASU
*UMBER	PART	(DAYS)	PLANTS	(GH/PLANT)	(GRAMS)	(D/\$/GR)	
6901	SHOOT	30	10	0.0524	0.5235	5224.980	1.708+01
6902	LEAVES	41	10	0.2488	2.4865	4779.337	1.558+01
4903	STEM	43	10	0.4704	0.7045	4918-136	1-478+01
6903	LEAVES	31	3	0.4403	2.2034	4813-458	1.562+0
4905	STEM	Sì	5	0.1422	0.7110	4424-371	1-448+01
2506	LEAVES	129	1	9.0573	4.4873	4041.332	1.318+01
6997	STEN	129	. i.	19.5794	4-6194	1423-411	5.938+00
6908	PEFLS	129	1	22.0409	1.1709	122.294	3,978-01
4909	HEAT.	129	1	125.5100	7-1400	40.234	1-948-01
6910	FRUIT	129	3	147.5033	24.7400	102-939	3.358-01
4911	ACOT	129	i	1.6400	1.6400	1408-814	4-588+00

			LANT UP	TAKE SUMMARY	: TCMATO		
SOIL:	HANFORD	LOAM +	1008 CA	LCIUM		NTAINER MU	HBER: 70
RACIONU	CL IDE:	SR- 05			DA	TE PLANTED	: 156
INITIAL	SCIL A	CTLVITY	(D/S/GM	307.40	OA	TE EMERGED	: 171
			NUNBER		COUNTING	SPEC IFIC	
SAMPLE Number	PLANT	(DAYS)	PLANTS	(GM/PLANT)	GRAMS)	(D/S/GH)	ASU
7001	SHOOT	30	20	0.0746	1.5326	6041.434	1.968+01
70C2	LEAVES	43	10	0.4049	4.0490	3304.440	1.078+01
7003	STEM	43	<u>lo</u>	0.2041	2,0405	3314.275	1.088+01
7004	LEAVES	51	5	5-1075	10.5374	4049.868	1.328+01
7005	STEM	- 51		0.4919	4,4597	3143-060	1-028-01
7006	LEAVES	58	2	8.9847	17.9493	3728.946	1-218+01
100T	STEM		<del></del>		11-0257	2424-210	7.888+00
7008	LEAVES	129	<u> </u>	6.4451	4.4451	3877.319	1.248+01
7009	STEM PEELS	129	<del></del>	29.0075	4,1675	2270-525	7.385+00
7010		129	ţ	14.2747	0.5947	166.241	5.402-01
7011 7012	FRUIT	129		82.2900 99.7800	4.7800 25.7400	62.053	2.028-01
7013	RCCT	129	1	2.5441	2,5441	1798.385	5-852+00

TABLE A- 71

						A	waaa
	HANFORD		2008 CA	TEIN		MTAINER NU	
RADICHU	CTIDE:	<u> 18- 85</u>			88	TE PLANTED	: 126
INITIAL	SOIL AC	TIVITY	10/3/68	1: 307-00	04	TE EMERGED	1.171
			NUMBER		COUNTING	SPECIFIC	
NUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	ACTIVITY (D/\$/6M)	ASU
7101 7102	LEAVES	- 10 43	20 10	9,3983	3.9830	3596.071 3040.183	1.618+0
7103	STEM	41	10	0.1159	1.1590	4034.444	1.313+0
7104	LEAVES	51	3	2.3832	7.1496	4399.740	1.438+0
7105 7106	LEAVES	<del>51</del>	3	4.8305	3.2938 13.4409	<u> </u>	1.518+0
7107	STEM		<u> </u>	4.2744	4.7919	2365.101	7.498+0
7108 7109	LEAVES STEM	129	1	14.6350	4.5450 5.5494	3842.313 1404.441	1.258+0
7110	PEELS	129	1	14.3109	0.5009	464.704	1.518+0
7111	MEAT	129	<u>i</u> _	62-6400	4-6000	195.509	4-365-0
7112 7113	FRUIT	129	3	98.3133 2.9322	18.7300	\$4.587 1427.473	1.778-0
				TABLE A- 77			
			PLANT UP	TABLE A- 78			
SOIL:	OAKL?Y:				TOMATO	INTAINER NU	MBER: 7
RADIONU	CLIDE	SANDY L	QAM	PTAKE SUMMARY	Z YOMATO CC	INTAINER NU ATE PLANTED	1 153
RADIONU	CLIDE	SANDY L	QAM	TAKE SUMMARY	Z YOMATO CC	INTAINER NU ATE PLANTED	1 153
RADIONU	SQ1L A	SANDY L SR- 85 CTIVITY	CD/S/GP	TAKE SUMMARY	COUNTING	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC	1 153
RADIONU INITIAL SAMPLE	CLIDE	SANDY L	CAM LD/S/GP NUMBER OF	PTAKE SUMMARY	TOMATO CO	ONTAINER NU ATE PLANTED ATE EMERGED	1 153
RADIONU INITIAL SAMPLE NUMBER	SQIL A	SANDY L SR- BS CTIVITY AGE (DAVS)	GAM LD/S/GP NUMBER OF	DRY MEIGHT	COUNTING COUNTING CRY MEIGHT (GRAMS)	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY	1 153
RADIONU INITIAL SAMPLE NUMBER 7201 7202	SQIL AND PLANT PART SHOOT LEAVES	SANDY L SR- 85 CTIVITY AGE (DAYS)	OAM LD/S/GP NUMBER OF PLANTS	DRY MEIGHT (GM/PLANT)	COUNTING ORY MEIGHT (GRAMS)	ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  9454.756	: 153 : 165 ASU 2.418-0 2.618-0
RADIONU INITIAL SAMPLE NUMBER	PLANT PART SHOOT LEAVES STER	SANDY L SR- BS CTIVITY AGE (DAVS)	CAM LD/S/GP NUMBER OF PLANTS	DRY MEIGHT (GM/PLANT)  0.0570 0.4573	COUNTING DRY MEIGHT (GRARS)	SPECIFIC ACTIVITY (D/S/GM)  9494.756 10462.196	2.418-0 2.418-0 2.378-0
SAMPLE HUMBER 7201 7202 7204 7205	PLANT PART SHEOT LEAVES STEM LEAVES STEM	AGE (DAYS)  27 41 41 54	OAM LD/S/GP NUMBER OF PLANTS 40 9 9	DRY WEIGHT (GM/PLANT)  0.0570 0.0553 0.1191 4.2570 2.1298	CGUNTING QRY MEIGHT (GRAMS)  2.2795 3.8980 1.7920 12.7787 6.3895	SPECIFIC ACTIVITY (D/S/GM)  9494-756 10402.150 9474-621 6306-823 4932.031	2.418-0 2.618-0 1.578-0 1.578-0
SAMPLE NUMBER 7201 7202 7203 7205 7205 7205 7205 7206	PLANT PARY  SHOOT LEAVES STEM LEAVES STEM LEAVES	SANDY 1.  SR- 85 CIIVITY  AGE (DAYS)  27 41 41 41 54 61	CAM  LD/S/GP  NUMBER  GF  PLANTS  40  9  9	DRY MEIGHT (GM/PLANT)  0.0570 0.0553 0.1991 4.2594 2.1298	COUNTING DRY MEIGHT (GRANS)  2.2795 5.8980 1.7920 12.7787 6.3895 22.3360	SPECIFIC ACTIVITY (D/S/GM)  9634-756 10462-156 9474-621 6306-823 4892-031	2.4180 2.4180 2.6180 2.3780 1.5780 1.5780
ADIONU INITIAL SAMPLE NUMBER 7201 7202 7203 7204 7206 7207	PLANT PART SHEOT LEAVES STEM LEAVES STEM	AGE (DAYS)  27 41 41 54 54 61	OAM LD/S/GP NUMBER OF PLANTS 40 9 9	DRY MEIGHT (GM/PLANY)  0.0570 0.0553 0.1751 4.2370 2.1290 0.1241	COUNTING DRY MEIGHT (GRANS)  2.2795 5.0900 1.7920 12.7787 6.3095 2.3360 4.3081	SPECIFIC ACTIVITY (D/S/GM)  9454.756 10462.156 9474.621 4306.823 482.031 9972.335	2.4180 2.4180 2.6180 2.3780 1.5780 1.5780
SAMPLE NUMBER 7202 7202 7203 7204 7206 7207 7206 7207 7208	PLANT PART  SHOOT LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES	SANDY L SR- 85 CIIVITY AGE (DAYS) 27 41 41 54 61 132	CAM  LD/S/GP  NUMBER  GF  PLANTS  40  9  3  3  2	DRY MEIGHT (GM/PLANT)  0.0570 0.0553 0.1991 4.2570 2.1294 11.1480 8.1251 4.3957 2.03013	CGUNTING DRY MEIGHT (GRAMS)  2.2795 5.8980 1.7920 12.7787 4.2895 22.3360 4.3081 4.3081 5.3213	PATE PLANTED  ATE PLANTED  ATE EMERGED  SPECIFIC  ACTIVITY  (D/S/GM)  9454-756  10462-156  9474-621  6305-823  6406-622  9474-622  9474-622  9474-622  9474-622  9474-622  9474-622  9474-622  9474-622  9474-622	2.418-0 2.618-0 2.378-0 1.578-0 1.118-0 1.978-0 1.978-0 1.978-0
SAMPLE NUMBER 7202 1203 1204 1205 7204 1207 7206 1207 7208 1209 7210	PLANY PARY  SHCOY LEAVES SYEM LEAVES SYEM LEAVES SYEM LEAVES SYEM LEAVES FEEL PEELS	AGE (DAYS)  27 41 41 41 54 54 61 132 132	CAM  LD/S/GP  NUMBER  GF  PLANTS  40  9  3  3  2	DRY MEIGHT (GM/PLANT)  0.0570 0.0553 0.1991 4.2394 2.1294 4.3957 20.3013 10.2148	COUNTING  COUNTING  CRAMS)  2,2795 5.8980 1,7920 12,7787 4,3895 22,3360 4,3957 5,3213 1,0448	SPECIFIC ACTIVITY (D/S/GM)  9634.756 10462.156 9474.621 6306.823 482.031 992.335 440.462 5476.932 3312.674	2.4180 2.6180 2.6180 2.3780 1.5780 1.5780 1.1180 1.5780 1.2780
SAMPLE NUMBER 7202 7202 7209 7204 7206 7206 7207 7208 7209 7208	PLANT PART  SHOOT LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES	SANDY L SR- 85 CIIVITY AGE (DAYS) 27 41 41 54 61 132	CAM  LD/S/GP  NUMBER  GF  PLANTS  40  9  3  3  2	DRY MEIGHT (GM/PLANT)  0.0570 0.0553 0.1991 4.2570 2.1294 11.1480 8.1251 4.3957 2.03013	CGUNTING DRY MEIGHT (GRAMS)  2.2795 5.8980 1.7920 12.7787 4.2895 22.3360 4.3081 4.3081 5.3213	PATE PLANTED  ATE PLANTED  ATE EMERGED  SPECIFIC  ACTIVITY  (D/S/GM)  9454-756  10462-156  9474-621  6305-823  6406-622  9474-622  9474-622  9474-622  9474-622  9474-622  9474-622  9474-622  9474-622  9474-622	2.418-0 2.618-0 2.378-0 1.578-0 1.118-0 1.978-0 1.978-0 1.978-0

TABLE A- 73

CIL: C	TAKLEY S	AMDY LO	<u>ar</u>		CO	HTAINER NUM	BEA: 73
ADIONU	LIDE	SA- 85			QA.	TE PLANTED!	153
INITIAL	SOLL AC	T [V17Y	(D/S/GM	1 400.40	DA DA	TE EMERGED:	165
			NUMBER		COUNTING	SPECIFIC	
NUMBER	PLANT	(DAYS)	PLANTS	GRY BEIGHT	IGRAMS)	(D/S/GM)	ASU
7301	5/4CDT	27	40	0.0804	3.2253	11787-841	2.942+01
7302	LEAVES	41 41	•	0-4673	3.7380	12985.656 12021.536	3.244+01
7303 7304	STEM LEAVES	54		0-1420 2-7449	13.7346	6793.454	2.208+01
7305	STEM	54	5	1.5252	7.6262	5700-031	1.428+01
7306 7307	LEAVES STEM	61 61	2	7.1906	14.3012	7463.031	1.058+01 1.168+01
7308	LEAVES	132	1	3.3266 2.5541		4638.127 13110.449	3.278+01
7309	STEM	132	<u> </u>	14,5357	5.0457	4052 244	1.014+01
7310	PEELS	132	1	9.0714	0.5214	387.404	9.678-01 4.918-01
7311	FRUIT	132	3	52.8400 61.6700	4-4100	196.618 245.640	6.138-01
7313	<b>POOT</b>	132	i	3,9037	3.9037	3982.445	9.948+00
			PLANT UP	TABLE A- 74			
SCILI	DAKLEY				TCHATO	ONTAINER NU	HOER: 74
	DAKLEY	SANCY L	DAM		CI	ONTAINER NU	
RADION	CLIDE:	SANCY L	O AM		CI TCHATO		: 153
RADIONU	SCIL A	SANDY L SR- 85 CILVITY	CAM (D/S/GP	TAKE SUMMARY	COUNTING	ATE PLANTED ATE EMERGED  SPECIFIC	: 153
RADION	CLIDE:	SANCY L	CAM (D/S/GP NUMBER OF	TAKE SUMMARY	CI TCHATC	ATE PLANTED ATE EMERGED	: 153
RADIONU INITIAL SAMPLE	CLIDE: SCIL A	SANCY LI SR- RS CILVITY AGE	OAM (D/S/GP NUMBER OF	PIAKE SUMMARY  1): 400-60  DRY WEIGHT (GM/PLANT)	COUNTING DRY WEIGHT (GRAMS)	ATE PLANTED  ATE EMERGED  SPECIFIC  ACTIVITY  (D/S/GM)	: 153 : 165 ASU
SAMPLE RUPBER 7401 7402	PLANT PART SHCOT LEAVES	SANDY L SR- R5 CILVILY AGE (GAYS)	OAM  LD/S/GP  NUMBER  OF  PLANTS  40	DRY MEIGHT (GM/PLANT)	COUNTING DRY MEIGHT (GRAMS)	ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GH)  11020-974 9923-174	153 165 ASU 2.75840 2.38240
SAMPLE NUMBER 7401 7402 7403	PLANT PART  SHCOT LEAVES STEM	SANDY L SR- 85 CILVILY ACE (CAYS) 27 41 41	OAM  LD/S/GR  NUMBER  OF PLANTS  40 10	DRY MEIGHT (GM/PLANT)  0.0841 0.9962 0.33496	COUNTING DRY WEIGHT (GRAMS)	ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GH)  11020-974 9523-174 8309-434	153 1 165 A5U 2.75840 2.388401 2.07840
SAMPLE NUMBER 7401 7402 7403 7404	PLANT PART SHCOT LEAVES STEM LEAVES	SANDY L SR- R5 CILVILY AGE (GAYS)	OAM  LD/S/GP  NUMBER  OF  PLANTS  40	DRY MEIGHT (GM/PLANT)  0.0841 0.9962 0.3496 5.3382	COUNTING DRY MEIGHT (GRAMS)  3-2648 9-9612 3-4960 10.7163	SPECIFIC ACTIVITY (D/S/GM) 11020-974 9523-174 8309-434 7866-041	2.75840 2.75840 2.38240 2.38240 1.9820
7401 7402 7404 7405 7406	PLANT PART  SHCOT LEAVES STEM LEAVES STEM LEAVES	SANDY L SR- 85 CILVILY ACE (CAYS) 27 41 41 54 54 61	OAM  OAM  OAM  OAM  OAM  OAM  OAM  OAM	DRY WEIGHT (GM/PLANT)  0.0841 0.9962 0.3496 5.3582 3.0215	COUNTING DRY WEIGHT (GRAHS)  3-26-8 9-9612 3-9860 10-7163 6-9430 14-5925	SPECIFIC ACTIVITY (D/S/GH)  11020-974 9923-174 9923-174 9523-174 6691-571	2.758-0: 2.758-0: 2.382+0: 1.968-0: 1.968-0: 1.472-0:
7401 7402 7404 7405 7406 7406 7406 7406	PLANT PART  SHCCT LEAVES STEM LEAVES STEM LEAVES STEM	SANCY L SR- R5 CILVITY ACE (CAYS) 27 41 41 54 61 61	OAM  LD/S/GP  NUMBER  GF  PLANTS  40  10  20  2	DRY MEIGHT (GM/PLANT)  0.0841 0.9942 0.3496 5.3582 3.0215 8.2963 5.4010	COUNTING DRY MEIGHT (GRAMS)  3.2648 9.9612 3.4940 10.7163 6.0430 14.9925 10.9020	SPECIFIC ACTIVITY (D/S/GM) 11020-976 9523-176 8509-436 7866-041 5173-926 6691-571 4611-233	2.75340 2.75340 2.38840 2.38840 1.96240 1.46240 1.47340 1.15840
7401 7402 7404 7405 7406	PLANT PART  SHCOT LEAVES STEM LEAVES STEM LEAVES	SANDY L SR- 85 CILVILY ACE (CAYS) 27 41 41 54 54 61	OAM  LO/S/GP  NUMBER  QF  PLANTS  40  10  2  2  2  2	DRY WEIGHT (GM/PLANT)  0.0841 0.9962 0.3949 5.3582 3.0215 8.2963 5.6010 7.7151 22.0843	COUNTING DRY MEIGHT (GRAMS)  3.2648 9.9612 3.4960 10.7163 6.0430 16.3925 10.8020 7.7151	SPECIFIC ACTIVITY (D/S/GH) 11020-974 9923-174 8309-436 7866-041 5173-926 6691-571 4611-239 10039-436	2.758-0 2.758-0 2.382-0 1.968-0 1.768-0 1.58-0 2.518-0 2.518-0 9.073-0
7401 7402 7403 7404 7405 7406 7407 7408 7409 7408 7409 7409 7409 7409 7409 7409 7409 7409	PLANT PART  SHCOT LEAVES SIEM LEAVES SIEM LEAVES SIEM LEAVES SIEM LEAVES SIEM PEELS	SANCY L SR- 85 CTLVITY ACE (CAYS) 27 41 41 41 54 54 61 61 61 61 61 61 61 61 61 61	OAM  LD/S/GR  NUMBER OF PLANTS  40 10 2 2 2 2 1 1	DRY MEIGHT (GM/PLANT)  0.0841 0.9942 0.3496 5.3582 3.0215 8.2963 7.7151 22.0843	COUNTING DRY MEIGHT (GRAMS)  3.2648 9.4612 3.4960 10.7163 6.0430 16.9925 10.9020 7.7151 6.5848 1.1236	SPECIFIC ACTIVITY (D/S/GM)  11024-974  9523-174  8304-434  5173-926 6691-571 4611-233 10039-436 2572-977	2.75849 2.75849 2.38840 2.07840 1.96240 1.29240 1.15840 2.51840 9.07840 9.07840
7401 7402 7403 7404 7405 7406 7407 7408 7409	PLANT PART SHCCT LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES	SANCY L SR- 85 CILVILY ACE (CAYS) 27 41 54 61 61 132	OAM  OAM  OAM  OAM  OAM  OAM  OAM  OAM	DRY WEIGHT (GM/PLANT)  0.0841 0.9962 0.3949 5.3582 3.0215 8.2963 5.6010 7.7151 22.0843	COUNTING DRY WEIGHT (GRAMS)  3-2648 9-9612 3-4460 10-7163 6-9425 10-9420 7-7151 6-5843	SPECIFIC ACTIVITY (D/S/GH)  11020-976 9923-176 9923-176 9903-436 7066-041 5173-926 6691-571 4611-233 10039-436	2.758-0 2.758-0 2.382-0 1.968-0 1.768-0 1.58-0 2.518-0 2.518-0 9.073-0

TABLE A- 75

<del></del>			TLANI UZ	YAKE SUMMARY	- TUIAIU		<del></del>
CILI	HANFORD	SANDY	CLAY LOA		cc	MTAINER NU	MAER: 75
NADIONU	CLIDE:	SR- 05			01	TE PLANTED	1 153
INITIAL	SCIL A	CTIVITY	(D/\$/\$P	11 444.70	0.4	TE EMERGEO	: 145
			Am 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<del></del>	251147 144		
SAMPLE	PLANT	AGE	NUMBER	DAY WEIGHT	COUNTING DRY WEIGHT	SPECIFIC ACTIVITY	ASU
NUMBER	PART		PLANTS	(GR/PLANT)	(GRAMS)	(0/S/GH)	
7501	LEAVES	111	1	22.4254	22.4258	4113,923	1.378+01
7502	STEM	111	i	24.6151	24.6151	4533.545	1.918+01
7503 7504	<u>TUBER</u> PEELS	$\frac{111}{111}$	1	80.1074 7.8450	31.3223 7.8450	<u>200,244</u> 599,050	4.482-01
7505	MEAT	iii	i	25.0245	25.0245	119:441	2-678-01
7504	ACOT	111	ì	24.2622	4.8422	6494.046	1.458+0
							<del></del>
				TABLE A- 76			
			PLANT_UP	TABLE A- 76	···		
SOIL	HANFORD			TAKE SUPMARY	: PCTATO		MŠER: 70
	HANFORD CLIDE:	SANDY	CLAY LOA	TAKE SUPMARY	: PCTATO	INTAINER NU	
RADIONU	CLIDE:	SANDY SA- 85	CLAY LOA	TAKE SUPMARY	CI	INTAINER NU	: 153
RADI ONU	CLIDE:	SANDY SA- 85	CLAY LOA	PTAKE SUPHARY	07A729 :/ 12 12 10	ONTAINER NU ATE PLANTED ATE EMERGED	: 153
RADIONU INITIAL Sample	CLIDE: SCIL A	SANDY SR- 85 CTIVITY AGE	CLAY LOA  LD/S/GP  NUMBER  OF	TAKE SUPMARY	CQUINTING DRY MEIGHT	ATE PLANTED  ATE EMERGED  SPECIFIC  ACTIVITY	: 153
RADIONU INITIAL Sample	CLIDE:	SANDY SR- 85 CTIVITY AGE	CLAY LOA	TAKE SUPMARY	COUNTING	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC	1 145
RADIGNU INITIAL SAMPLE RUMBER	SCIL A	SANDY SR- 85 CTIVITY AGE (DAYS)	CLAY LOA  (D/S/GP  NUMBER  OF  PLANTS	TAKE SUPMARY  13: 446-70  DRY MEIGHT  1GR/PLANT)	COUNTING DRY MEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/GH)	1: 153 1: 165 ASU
RADIGNU INITIAL SAMPLE RUMBER 7601 7602	SCIL AND PLANT PARY	SANDY SR- 85 CTIVITY AGE (DAYS)	CLAY LOA	DRY WEIGHT (GM/PLANT)	COUNTING DRY MEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/GM)	1.618+0) 1.818+0)
RADIGNU INITIAL SAMPLE HUMBER	SCIL A	SANDY SR- 85 CTIVITY AGE (DAYS)	CLAY LOA  (D/S/GP  NUMBER  OF  PLANTS	TAKE SUPMARY  13: 446-70  DRY MEIGHT  1GR/PLANT)	COUNTING DRY MEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/GH)	1: 153 1: 165 ASU
SAMPLE HUMBER 7602 7603	PLANT PARY  LEAVES STEM TUBER	SANDY SR- 85 CTIVITY AGE (DAYS)	CLAY LOA  1D/S/GP  NUMBER OF PLANTS	ORY MEIGHT (GR/PLANT)  22.3040 32.0716 59.6790	COUNTING DRY MEIGHT (GRAMS)  21.3060 12.2316 29.9280	SPECIFIC ACTIVITY (D/S/GH)  7196.550 8088-919	ASV 1.618+0: 1.618+0: 1.618+0: 1.919-0:

TABLE A- 77

SCIL:	HANFORG	SANCY	CLAY LOA	<u>H</u>		NTAINER MU	MBER: 77
RADION	CL IDE :	SR- 85			0	TE PLANTED	<u> </u>
INITIAL	SCIL A	CITAILA	(0/5/6)	11: 446.70	0	TE EMERGEO	145
CAMB: 6	PLANT	AGE	NUMBER	DRY MEIGHT	COUNTING DRY WEIGHT	SPECIFIC ACTIVITY	UZA
SAMPLE	PART		PLANTS	(GM/PLANT)	(GRAMS)	(0/\$/GH)	
7701	LEAVES			23.0095	23.0095	4470.742	1.458+01
7702 7703	STEM Tuber	111	1 3	22.2869	10.6969 29.3620	4099.159 159.793	1.612+01 3.562-01
7704	PEELS	111	1	15.0517	15.0917	425.144	9.528-01
7705	ROCT	111		61.2054 2.9517	25.3054 2.9517	108.908 5142.093	2.448-01 1.158+01
				TABLE A- 78			
			PLANT UP	TAKE SUPPARY	: PCTATO		
SOIL:	HANFCRD					NTAINER MU	HBER: 78
	HANFCRD	LDAM +			C0	NTAINER NU	
RADIONU	CLIDE:	LDAM + SR- 85	300E CA		CO		1 156
RADICHU	CLIDE:	LOAM + SR- 85	300% CA	LC1UM ): 307.60	COUNTING	TE PLANTED TE EMERGED SPECIFIC	: 156
RADICHU INIYIAL SAMPLE	CLIDE:	LDAM + SR- 85	300% CA	LCIUM	C C DA	TE PLANTED TE EMERGED	1 156
RADICHU INITIAL SAMPLE NUMBER	CLIDE: SOIL PI	LOAM + SR- 05 CTIVITY AGE (DAYS)	300% CA 1D/S/GM NUMBER OF PLANTS	DRY WEIGHT (GA/PLANT)	COUNTING DRY MEIGHT (GRAMS)	TE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GM) 3513.419	: 156 : 165 ASU
SAMPLE NUMBER	PLANT PART LEAVES	LDAM + SR- 85 ETIVITY AGE (DAYS) 108	3008 CA iD/S/GM NUPBER CF PLANTS	DRY WEIGHT (GR/PLANT)	COUNTING DRY HEIGHT (GRAMS)	YE EMERGED SPECIFIC ACTIVITY (D/S/GM) 3513-419 3455-032	1 156 1 165 ASU 1-148+01 1-128+01
RADICHU INITIAL SAMPLE NUMBER	CLIDE: SOIL PI	LOAM + SR- 05 CTIVITY AGE (DAYS)	300% CA 1D/S/GM NUMBER OF PLANTS	DRY WEIGHT (GA/PLANT)	COUNTING DRY MEIGHT (GRAMS)	TE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GM) 3513.419	: 156 : 165 ASU
SAMPLE NUMBER 7801 7802 7803	PLANT PART  LEAVES STEM TUBER	LDAM + SR- 85 ETIVITY  AGE (DAYS) 108 108	3008 CA iD/S/GM NUPBER CF PLANTS	DRY WEIGHT (GM/PLANT)  33.6684 33.6736 39.6277	COUNTING DRY HEIGHT (GRAMS)  12-2784 16-7636 22-1832	TE PLANTED YE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  3513-419 3495.032 53.600	1 156 1 165 ASU 1 1 128 + 01 1 1 7 28 - 01

TABLE A- 79

egiri.	<u>Marford</u>	LOAM +	302 CA	LC1US	£	CATALINES CO	<b>10 12 1</b> 77
MOTOW	CLIDE:	58- <b>8</b> 5				ATE PLANTED	7_154
LAITIAL	SOIL A	TIVITY	10/1/98	11 307-40	0	ATE EMPRES	1 163
	A. A.		NUMBER	50 M HZ 30 M	COUNTING	SPECIFIC	
IUMBER	PART	(DAYS)	PLANTS	(GH/PLANT)	(GRAMS)	ACTIVITY (D/S/GA)	
7901	LEAVES	100		14.4472	7.7472	3407.643	1.118+01
7902 7903	STEM	108	1 3	34.7616 47.6480	8.1514 22.4740	3440.894	1-208-01
7904	PEELS	10#	1	14.8900	14.8900	100.528	5.078-01
7905 7906	ROOT	108	$\frac{1}{1}$	4.9903	4.9903	43 <u>-504</u> 2462-031	1-418-61 8-728-00
	·						-17
			PLANT UP	TABLE A- 40 TAKE SUMMARY			
SOIL:	HANFORD		PLANT UP	TAKE SUMMARY	: POTATO	ONTAINER MU	MBER: AQ
		LOAM +		TAKE SUMMARY	: POTATO	<u>ONTAINER MU</u> ATE PLANTED	
ADIONL	CLIDE:	LOAM +	1008 CA	TAKE SUMMARY	; POTAYO		1 194
ADIONL INITIAL	GLIDE:	LOAM + SR- 85 CTIVITY	LOGR CA	TAKE SUMMARY	: POTATO COUNTING	ATE PLANTED ATE EMERGED SPECIFIC	196
ADIONL INITIAL SAMPLE	CLIDE:	LOAM +	LOCK CA	TAKE SUMMARY	; POTATO C	ATE PLANTED ATE EMERGED	1 194
SAMPLE NUMBER	SOIL A	SR- 83 CTIVITY AĞE (DAYS)	1008 CA (D/S/GH NUMBER- OF PLANTS	TAKE SUMMARY LGIUM  ): 307.40  DRY WEIGHT (GM/PLANY)	COUNTING DRY WEIGHY (GRAMS)	ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  3161-483	2 154 2 165 ASU
SAMPLE NUMBER	PLANT PARY  LEAVES STEN	LOAM + SR- 05 CTIVITY AGE (DAYS)	LOCK CA	TAKE SUMMARY LGIUM  ): 307.40  ORY MEIGHT (GM/PLANY)  29.8343 30.3074	COUNTING DAY WEIGHT (GRAMS)	ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GH)  3161.483 3013.596	194 165 ASU 1.038+01 9.808+00
ADIONU INITIAL SAMPLE NUMBER 4001 4002 4003 8004	PLANT PARY  LEAVES STEM TUBER PEELS	LQAM + SR- 85 CTIVITY  AGE (DAYS)  108 108 108	1008 CA (D/S/GH NUMBER- OF PLANTS	TAKE SUMMARY  LGIUM  DRY MEIGHT  (GM/PLANT)  29.8343 30.3074 59.3254 18.3418	COUNTING DAY MEIGHT (GRAMS)  7.5043 7.2776 20.2162	ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  3161-483 3013-596 65-284 591-604	3 154 3 165 ASU 1.032+01 9.803+00 2.132-01
SAMPLE NUMBER 4001 4002 4003	PLANT PARY  LEAVES STEM TUBER	LOAM + SR- 45 CTIVITY  AGE (DAYS) 108 108	1008 CA  (D/S/GM  NUMBER- OF  PLANTS  1 3	TAKE SUMMARY  LGIUM  307.60  DRY MEIGHT (GM/PLANT)  29.8343 30.3076 59.3254	COUNTING DAY MEIGHT (GRAMS)	ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GH)  3161.483 3013.596	3 196 3 165 ASU 1-038-01 9-808-00 2-138-01

TABLE A- 61

SCIL:	HANFORD		2001 CA	LCTUM		MTAINER NU	
RADION	CLIDE:	SR- 85			0	TE PLANTED	1196
INITIA	SOIL A	FILATIA	10/8/GH	): 307.40		TR EMERGED	1 145
SAPPLE	PLANT	AGE	MIMBER	CRY WEIGHT	COUNTING DRY WEIGHT	SPECIFIC ACTIVITY	ASU
NUMBER	PART	(QAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/6H)	
aidi	LEAVES		<u>_</u>	35.4472	10.4972	1023-271	4-434-0
4103 103	STEM THERE	108	1 3	39.7542 44.4533	8.4742 20.9599	3195.573	1.048+0
4104	PEELS	108	1	21-9174	21.9174	190-232	4.168-0
#105 #104	ROOT	108	1	4.4638	4.4434	2373.125	7.718+0
					<u></u>	<del></del>	
				TABLE A- 82			
			PLANT_UP	TAKE SUMMARY	: PCTATC	·····	
SCIL:	DAKLEY	SANDY L	MAG		CC	NTAINER NU	MBER: 8
A AO I ON	CL 10E:	SR- 05			0/	TE PLANTED	: 153
INITIA	101L A	CTIVITY	10/5/68	1): 400.60		TE EMERGED	1 145
	8. 447	AGE	NUMBER	DAY WEIGHT	COUNTING DRY NEIGHT	SPECIFIC	Acti
<u>Sample</u> Number	PART		PLANTS	(GM/PLANT)	(GRAMS)	(0/\$/GH)	ASU
8301	LEAVES			19-2464	9.2364	7706.930	1.928+0
8202 1203	STEM	111 111	3	18.4598	9.4698	4499.147 244.488	1-614+0
8204	PEELS	111	1	14-0216	16.0214	248.144	6.693-0
8205	ROCT	111	<del>1</del> -	43.7742	1.7550	151-229 5798-102	3.782-0 1.452+0
	NUI!			141370	111330	J. 1731VE	1.73870

TABLE A- 83

1303   TUBER   111   3   43.9987   22.9840   239.474   5.998-0     1304   PEELS   111   1   13.2944   13.2544   502.946   1.208-0     1305   MEAT   111   1   50.9979   18.0979   124.393   3.112-0     1596   ROOY   111   1   1.3551   1.3591   5045.244   1.268-0					INDLE A- 63	·		
RADIGNUCLIDES SR- 85				LANT 112	TANK CIMBIAN		·	
TABLE A- 84    PLANT UPTAKE SUNHARY: POTATO   PLANTED   PLANT   PLANT UPTAKE SUNHARY: POTATO   PLANTED   PLANT   PLANT UPTAKE SUNHARY: POTATO   PLANTED   PL	SCILI	DAKLEY	SANDY LO	48			MITAINES MI	MREAL AT
SAMPLE PLANT AGR OF DRY MEIGHT DRY MRIGHT ACTIVITY ASU  MUMBER PART (DAYS) PLANTS (GM/PLANT) (GRAMS) (0/S/GM)  A301 LEAVES 111 1 17.2317 17.2317 4917.772 1.738-0  8302 STRM 111 1 14.8953 0.0053 9301.506 2.348-0  8101 TUBER 111 3 45.2927 21.9160 219.874 9.992-0  8304 PEELS 111 1 13.2944 13.2944 902.406 1.208-0  8305 MEAT 111 1 150.9979 14.0979 124.397 124.393 1.3128-0  8394 RGOT 111 1 1.3551 1.3551 5065.244 1.208-0  FLANT UPTAKE SUNMARY: POTATO  SGILL CAKLEY SANDY LOAM CONTAINER MUMBER: 6  RADIONUCLIDE: SR- 65 DATE PLANTED: 193  INITIAL SGIL ACTIVITY (D/S/GM): 400.46 DATE EMERGED: 145  SAMPLE PLANT AGR OF DRY MRIGHT DRY MRIGHT ACTIVITY ASU  MUMBER PART (DAYS) PLANTS (GM/PLANT) (GRAMS) (D/S/GM) 2.008-0  8402 STRM 111 1 20.3414 9.5414 8001.900 2.008-0  8402 STRM 111 1 17.1044 7.4064 6323.232 1.588-0  8404 PEELS 111 1 22.0094 22.0094 516.700 1.208-0	RADIONU	CLIDE:	10- 45			04	TE PLANTED	1 153
SAMPLE PLANT AGR OF DRY MEIGHT DRY MRIGHT ACTIVITY ASU  MUMBER PART (DAYS) PLANTS (GM/PLANT) (GRAMS) (0/S/GM)  A301 LEAVES 111 1 17.2317 17.2317 4917.772 1.738-0  8302 STRM 111 1 14.8953 0.0053 9301.506 2.348-0  8101 TUBER 111 3 45.2927 21.9160 219.874 9.992-0  8304 PEELS 111 1 13.2944 13.2944 902.406 1.208-0  8305 MEAT 111 1 150.9979 14.0979 124.397 124.393 1.3128-0  8394 RGOT 111 1 1.3551 1.3551 5065.244 1.208-0  FLANT UPTAKE SUNMARY: POTATO  SGILL CAKLEY SANDY LOAM CONTAINER MUMBER: 6  RADIONUCLIDE: SR- 65 DATE PLANTED: 193  INITIAL SGIL ACTIVITY (D/S/GM): 400.46 DATE EMERGED: 145  SAMPLE PLANT AGR OF DRY MRIGHT DRY MRIGHT ACTIVITY ASU  MUMBER PART (DAYS) PLANTS (GM/PLANT) (GRAMS) (D/S/GM) 2.008-0  8402 STRM 111 1 20.3414 9.5414 8001.900 2.008-0  8402 STRM 111 1 17.1044 7.4064 6323.232 1.588-0  8404 PEELS 111 1 22.0094 22.0094 516.700 1.208-0				10/5/68	11: 400-40			
SAMPLE PLANT AGE								
TABLE A- 84								
1302   STER   111   1   14.8953   8.0093   931.586   2.34860   230.7   10.88   111   3   45.9887   22.9880   230.74   5.988-9   8304   928.74   5.988-9   1.2884   13.2844   502.746   1.28840   1.28847   111   1   50.9979   14.0979   124.193   3.118-9   8304   RGOT   111   1   1.3351   1.3351   5065.246   1.28840   8304   RGOT   111   1   1.3351   1.3351   5065.246   1.28840   8304   RGOT   111   1   1.3351   1.3351   5065.246   1.28840   8304   RGOT   121								ASU_
1302   STER   111   1   14.8953   8.0093   931.586   2.34860   230.7   10.88   111   3   45.9887   22.9880   230.74   5.988-9   8304   928.74   5.988-9   1.2884   13.2844   502.746   1.28840   1.28847   111   1   50.9979   14.0979   124.193   3.118-9   8304   RGOT   111   1   1.3351   1.3351   5065.246   1.28840   8304   RGOT   111   1   1.3351   1.3351   5065.246   1.28840   8304   RGOT   111   1   1.3351   1.3351   5065.246   1.28840   8304   RGOT   121	4301	LEAVES	111	1	17.2317	17.2317	4917-772	1.738+01
### ##################################		STEM	111		14.8953	8.0053	1301.564	2.348+01
TABLE A- 84    PLANT UPTAKE SURMARY: POTATO								1.268+00
TABLE A- 84    PLANT UPTAKE SURMARY: POTATG								3-113-01
### CONTAINER NUMBER: 4  ###################################							,	
RADIONUCLIDE: SR- 85  INITIAL SQIL ACTIVITY (D/S/GM): 490.40  SAMPLE PLANT AGE OF DRY HEIGHT DRY MEIGHT ACTIVITY ASU NUMBER PART (DAYS) PLANTS (GM/PLANT) (GRAMS) (D/S/GM)  8401 LEAVES 111 1 20.3614 9.5614 8001.900 2.00340 8402 STEM 111 1 17.1066 7.4064 6323.232 1.58840 8403 TUNER 111 3 18.9903 13.5408 200.861 9.012-0 8404 PEELS 111 1 22.0094 22.0094 \$14.700 1.29840 8404 PEELS 111 1 22.0094 22.0094 \$14.700 1.29840 8405 MEAT 111 1 97.1012 25.1812 181.928 4.042-0				LANT UP		<del></del>		
INITIAL SQIL ACTIVITY (D/3/gm): 490.46	SCILI	CAKLEY	SANDY LO	<b>AM</b>		co	NTAINER NU	MBER: 04
NUMBER   COUNTING   SPECIFIC	RAD LONG	CLIDE:	SR- 85				TE PLANTED	: 153
SAMPLE PLANT AGE OF DRY MEIGHT DRY MEIGHT ACTIVITY ASU NUMBER PART (DAYS) PLANTS (GM/PLANT) (GRAMS) (D/S/GM)  8401 LEAVES 111 1 20,3614 9,5614 E001,900 2,003+0  4402 STEM 111 1 17,1044 7,4044 4523,232 1,503+0  4403 TUNEM 111 3 14,9903 15,5408 200,863 2012+0  8405 MEAT 111 1 22,0094 22,0094 514,700 1,298+0  8405 MEAT 111 1 97,1012 25,1812 161,928 4,048-0				(D/3/GF	): 400.40			
NUMBER PART (DAYS) PLANTS (GM/PLANT) (GRAMS) (D/S/GM)  8401 LEAVES 111 1 20.3614 9.5614 8001.900 2.00340 8402 STEM 111 1 17.1066 7.4066 6523.232 1.56840 8403 TUNER 111 3 14.9963 13.5408 200.863 3.012-0 8405 MEAT 111 1 22.0094 22.0094 514.700 1.2924 8405 MEAT 111 1 97.1012 25.1812 161.928 4.048-0		<del></del>						
8402 STEM 111 1 17-1866 7-4066 6529-292 1-5889-0 8403 TUNER 111 3 14-9963 19-5408 200-883 9-618-0 8404 PEELS 111 1 22-0094 22-0094 516-700 1-298-0 8405 REAT 111 1 97-1012 25-1812 161-928 4-048-0								ASU
8402 STEM 111 1 17-1866 7-4066 6529-292 1-5889-0 8403 TUNER 111 3 14-9963 19-5408 200-883 9-618-0 8404 PEELS 111 1 22-0094 22-0094 516-700 1-298-0 8405 REAT 111 1 97-1012 25-1812 161-928 4-048-0	8401	1 54454	111	1	20.3414	9.5414	8001.40A	2.002401
8404 PEELS 111 1 22.0094 22.0094 \$16.700 1.29840 8405 MEAT 111 1 97.1012 25.1812 161.928 4.048-0	8402	STEM	111		17.1066	7.4054	4523.232	1.588+01
4405 MEAT 111 1 97-1012 25-1012 161-928 4-048-0								1.298+00
54.06 ROOT 111 1 2.7736 2.7736 4910.151 1.298+6	8405	MEAT		<u> </u>	97-1012	25.1912	161.928	4.048-0
	84.04		111	1	2.7736	2,7736		1.298+01
	<del></del> -			** <del></del> -				
		···-						

		f	LANT UP	TAKE SUMMARY	1 WHEAT		
SCILL	HANEGRO	SANDY C	TAY LOA			NTAINER MA	MEB: AS
RACIONU	CLIOE	SR- 45			DA	TE PLANTED	. 131
INITIAL	SOIL AC	TIVITY	(D/S/6#	1 446-70	DA	TR EMERGEO	1.159
		A C E	NUMBER DE	DRY MEIGHT	COUNTING	SPECIFIC	<b>AS</b> U
SAMPLE NUMBER	PART	(DAYS)		(GM/PLANT)	(SAMS)	(D/\$/GH)	
#50L	SHOOT	21	40	9-1308	5-2302	1836-568	4-118+00
4502	SEL	41	10	0.4841	4-8408	1075.165	2.418+00 4.092-01
8504	LEAVES	<u>41</u>	10	0.2000	2-0004	<u> 182.767</u> 1444.390	
#505	_STALK_	54		<u> </u>	4.4458	404-271	1.091-01
#506 #507	HEAD HEAD	54 70	10 10	0.2444 	2.4444 10.7605	239.311	5.348-01 2.488-01
8508	STALK	70	10	0.6277	6.2770	734.376	1.658+00
. 6509	LEAVES.		10 10	0.2014 1.7451	2-0140 17-4513	1 <u>23.420</u>	<u>4.098+00</u> 2.778-01
8510 8511	HEAD Stalk	8 8 	10	0.7249	7.2487	1191.043	2.473+00
8512	LEAVES	4.0	10	0.2373	2.3729	2584.640	5.798+00
8513 8514	STALK	97	<u>10</u> 10	0.4992	12-1483 4-9922	133,085 1031.114	3.008-01 2.318+00
4515	LEAVES	97_		0.2356	2.3564	2034.914	4.548+00
4514	HEAD	102	385	0.4907	13.4458	119.639	2.648-01
8517 8518	LEAVES	102	<u>10</u>	0.5324	5 <u>-3244</u> 2-1211	1130,274 1789,488	<del>2.538+00</del> 4.018+00
4519	GRAIN	102	376	0.5139	20-0000	90.347	2-028-01
8520	CHAFF	102	378	0.2930	5.0000	333.547	7.478-01
			PLANT UP	TABLE A- 06	's WHEAT		
SCILI	HAMFORD	SANDY	CLAY LCA	d		NTAINER NU	MBER: 04
	HAMFORD					NTAINER NU	
RADIONS	ICL TOE:	SR- 43				MTAINER NU	: 153
RADIONS	ICL TOE:	SR- 43			cc	MTAINER NU	: 153
RADIONS INITIAL SAMPLE	SCIL A	SR- AR	LD/S/GM NUMSER DF	11: 446.70 DRY MEIGHT	COUNTING DRY MEIGHT	ATAINER NU ATE PLANTED ATE EMERGES  SPECIFIC ACTIVITY	: 153
RADIONS INITIAL	SCEL A	SR- AR	LD/S/GM	13: 446.70	DI DI COUNTING	SHTAINER NUTTE PLANTED  ATE EMERGES  SPECIFIC	: 153
RADIONS INITIAL SAMPLE RUMBER	SCIL A	SR- 82 CTLVLTY AGE (DAYS)	ID/S/GM NUMBER GF PLANTS	ORY NEIGHT	COUNTING DRY MEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/CM)	: 153 : 159 ASU
SAMPLE RUMBER  8601 8602	SCIL A PLANT PART SHOOT	SR- 83 CTLYLTY AGE (DAYS)	NUMBER OF PLANTS	ORY MEIGHT (GM/PLANT)  G-0970 0-5244	COUNTING DRY MEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/GM)	: 153 : 159 ASU 3.582+00 2.302+00
SAMPLE NUMBER  8601 8602	SCIL A  PLANT PART  SHOOT SEL HEAD	SR- 82 CTLVLTY AGE (DAYS)	ID/S/GM NUMBER GF PLANTS	ORY MEIGHT (GM/PLANT) - 0.0970 0.5244 0.1398	COUNTING DRY MEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/CM)	1 153 1 159 ASU 2 308+00 2 3718-01
SAMPLE NUMBER 8602 8603 8604 8605	SCIL A  PLANT PART  SHOOT SEL HEAD STALK LEAVES	AGE (DAYS)	NUMBER GF PLANTS 40 10 8	ORY NEIGHT (GM/PLANT) 	COUNTING DRY MEIGHT (GRAMS)  3.8789 5.2435 1.1181 2.7310 6.2527	SPECIFIC ACTIVITY (D/S/CM)  1598.960 1027.030 165.613 1367.462 447.163	1 153 1 159 ASU 2.303+00 3.713-01 3.068+00 1.008+00
RADIONS INITIAL SAMPLE NUMBER 8601 8602 8603 8604 8605	PLANT PART SHOOT SAL HEAD STALK LEAVES	AGE (DAYS) -27 41 41 54 54	NUMBER OF PLANTS	ORY MEIGHT (GM/PLANT) 	COUNTING DRY MEIGHT (GRAMS)  3.4749 5.2435 1.1141 2.7310 6.2527 3.1722	SPECIFIC ACTIVITY (D/S/GM)  1598,960 1027-030 165-613 1367-462 447-163 276-049	1 153 1 159 ASU 2.302+00 3.712-01 3.068+00 1.008+00 6.188-01
SAMPLE NUMBER 8602 8603 8604 8605	SCIL A  PLANT PART  SHOOT SEL HEAD STALK LEAVES	AGE (DAYS)	NUMBER OF PLANTS  40 10 8 10 10 10 10 10	ORY NEIGHT (GM/PLANT) 	COUNTING DRY MEIGHT (GRAMS)  3.8789 5.2435 1.1181 2.7310 6.2527	SPECIFIC ACTIVITY (D/S/CM)  1598.960 1027.030 165.613 1367.462 447.163	3.582.00 2.302.00 2.302.00 3.713.01 3.068.00 6.188-01 3.3528-01
RADIONS INITIAL SAMPLE NUMBER 8601 8602 8603 8604 8605 8606 8607 8608	PLANT PART SHOOT STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES	SR- 82 CILVLIY AGE (DAYS) -27 -41 -41 -54 -54 -70 -70	NUMBER OF PLANTS  40 10 10 10 10 10 10 10 10	ORY MEIGHT 1GM/PLANT)  Q.Q97Q Q.5244 Q.1398 Q.2731 Q.6253 Q.3172 Q.8902 Q.6085 Q.2742	COUNTING DRY MEIGHT (GRAMS)  3.8789 5.2435 1.1181 2.7310 6.2527 3.1722 8.9020 6.0845 2.7415	SPECIFIC ACTIVITY (D/S/GM)  1598.960 1027.030 165.613 1367.462 447.163 276.049 157.320 169.7401	1 153 1 159 ASU 2.302+00 3.718-01 3.008+00 6.188-01 3.528-01 1.938+00 3.788+01
SAMPLE NUMBER  8601 8602 8603 8604 8605 8607 8608 8609 8609	PLANT PART SELL A STALK LEAYES HEAD STALK LEAYES HEAD STALK LEAYES HEAD	SR- 82 CILVITY AGE (DAYS) 27 41 54 54 70 70 70 88	NUMBER OF PLANTS  40 10 10 10 10 10 10 10 10	ORY MEIGHT IGM/PLANT)  0.0970 0.5244 0.1378 0.2731 0.6253 0.3172 0.8902 0.6085 0.2742 1.4088	COUNTING DRY MEIGHT (GRAMS) 3.4749 5.2435 1.1181 2.77310 6.2527 3.1722 8.9020 6.0645 2.7415 14.0850	SPECIFIC ACTIVITY (D/S/CM)  1598.960 1027.030 185.613 1367.462 447.163 276.049 137.320 862.767 1697.201	3.582+00 3.712-01 3.068+00 1.008+00 1.908+00 1.908+00 1.938+00 3.784+00 2.993-01
RADIONS INITIAL SAMPLE NUMBER 8601 8602 8603 8604 8605 8606 8607 8608	PLANT PART SHOOT STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES	SR- 82 CILVLIY AGE (DAYS) -27 -41 -41 -24 -24 -70 -70 -70 -88 -88 -88	NUMBER OF PLANTS  40 10 10 10 10 10 10 10 10 10 10 10 10 10	ORY MEIGHT 1GM/PLANT)  Q.Q97Q Q.5244 Q.1398 Q.2731 Q.6253 Q.3172 Q.8902 Q.6085 Q.2742	COUNTING DRY MEIGHT (GRAMS)  3.8789 5.2435 1.1181 2.7310 6.2527 3.1722 8.9020 6.0845 2.7415	SPECIFIC ACTIVITY (D/S/GM)  1598.960 1027.030 165.613 1367.462 447.163 276.049 157.320 169.7401	1 153 1 159 ASU 2 302+00 3 718-01 3 008+00 6 188-01 3 528-01 1 938+00 2 978-01 2 148+00 4 548+00
SAMPLE NUMBER  SAMPLE NUMBER  SAGO: 8603 8604 8605 8606 8607 8608 8609 8610 8611 8612 8613	PLANT PART SELL A STALK LEAYES HEAD	SR- 82 CILVITY AGE (DAYS) 27 41 41 54 24 27 70 70 70 88 88 88	NUMBER OF PLANTS  40 10 3 10 10 10 10 10 10 10 10 10 10 10 10 10	ORY MEIGHT (GM/PLANT)	COUNTING DRY MEIGHT (GRAMS)  3.4749 5.2435 1.1181 2.7310 6.2527 3.1722 8.9020 6.0645 2.7415 14.0850 6.0994 2.3357 10.0195	SPECIFIC ACTIVITY (D/S/GM)  1598.960 1027.030 165.613 1367.462 447.163 276.049 157.320 1697.201 133.534 997.704 2030.091 176.465	2.153 2.159 ASU 2.302+00 3.713-01 3.068+00 1.908+00 1.908+00 1.938+00 2.758+01 2.978-01 2.142+00 4.548+01 4.548+01
RADION: INITIAI SAMPLE NUMBER 8601 8602 8603 8604 8605 8606 8607 8610 8611 8612 8613 8613 8613	PLANT PART  SHOOT SEL HEAD STALK LEAYES HEAD STALK	SR- 82 CILVITY  AGE (DAYS)  27 41 41 94 70 70 70 70 88 88 97 97	10/S/GM NUMSER GF PLANTS 40 10 10 10 10 10 10 10 10 10 1	ORY MEIGHT 1GM/PLANT3 0.5244 0.1318 0.2731 0.6253 0.3172 0.8902 0.0085 0.2742 1.4088 0.6090 0.2336	COUNTING DRY MEIGHT (GRAMS)  3.8749 5.2435 1.1181 2.7310 6.2527 3.1722 8.9020 6.0845 2.7415 14.0860 6.0904 2.3357 10.0195 3.9009	SPECIFIC ACTIVITY (D/S/CM)  1598.960 1027.030 169.613 1367.462 447.163 276.049 137.320 862.767 169.7104 2030.091	1 153 1 159 
RADIONS INITIAI SAMPLE NUMBER 8602 8603 8604 8605 8606 8607 8608 8609 8610 8611 8612 8613 8614 8615 8614	PLANT PART  SHOOT STALK LEAVES HEAD	SR- 82 CILVITY  AGE (DAYS)  -27 -41 -41 -54 -54 -70 -70 -88 -88 -97 -97 -102	10/S/GM NUMBER OF PLANTS 40 10 10 10 10 10 10 10 10 10 1	DRY MEIGHT (GM/PLANT) 	COUNTING DRY MEIGHT (GRAMS)  3.8789 5.2435 1.1181 2.7310 6.2527 3.1722 8.9020 6.0845 2.4.0850 6.0995 2.3357 10.0195 3.9009 2.2039 12.7739	SPECIFIC ACTIVITY (D/S/CM)  1598.960 1027.030 189.613 1367.462 447.163 276.049 137.320 862.767 1497.704 2030.091 176.485 1520.461	2.153 2.159 ASU 2.302+00 3.712-01 3.068+00 1.908+00 1.908+00 1.908+00 2.972-01 3.722-01 2.972-01 3.724-01 3.952-01 3.952-01 3.402+00 5.712+00 3.412-01 3.412-01
RADION: INITIAI SAMPLE NUMBER 8601 8602 8603 8604 8605 8606 8607 8610 8610 8611 8612 8613 8614 8615 8615	PLANT PART  SHOOT SEL HEAD STALK LEAYES	SR- 82 CILVITY  AGE (DAYS)  27 41 41 54 70 70 70 88 88 97 97 102	10/S/GM NUMSER GF PLANTS 40 10 10 10 10 10 10 10 10 10 1	DRY NEIGHT (GM/PLANT) 	COUNTING DRY MEIGHT (GRAMS)  1.6749 5.2435 1.1181 2.7310 6.2527 3.1722 8.9020 6.0845 2.7415 14.0850 6.0905 2.3357 10.0195 3.9009 2.2039 12.7739 5.0788	SPECIFIC ACTIVITY (D/S/CM)  1598.960 1027.030 165.613 1367.462 447.163 276.049 157.320 862.767 1697.201 133.534 957.704 2030.091 176.485 1520.461 2592.498 132.381 1104.412	1 153 1 159 
RADIONS INITIAI SAMPLE NUMBER 8602 8603 8604 8605 8606 8607 8608 8609 8610 8611 8612 8613 8614 8615 8614	PLANT PART  SHOOT STALK LEAVES HEAD	SR- 82 CILVITY  AGE (DAYS)  -27 -41 -41 -54 -54 -70 -70 -88 -88 -97 -97 -102	10/S/GM NUMBER OF PLANTS 40 10 10 10 10 10 10 10 10 10 1	DRY MEIGHT (GM/PLANT) 	COUNTING DRY MEIGHT (GRAMS)  3.8789 5.2435 1.1181 2.7310 6.2527 3.1722 8.9020 6.0845 2.4.0850 6.0995 2.3357 10.0195 3.9009 2.2039 12.7739	SPECIFIC ACTIVITY (D/S/CM)  1598.960 1027.030 189.613 1367.462 447.163 276.049 137.320 862.767 1497.704 2030.091 176.485 1520.461	2.153 2.159 ASU 2.302+00 3.712-01 3.068+00 1.908+00 1.908+00 1.908+00 2.972-01 3.722-01 2.972-01 3.724-01 3.952-01 3.952-01 3.402+00 5.712+00 3.412-01 3.412-01

TABLE A- AT

			PLANT UP	TAKE SUPPLARY	: NHRAT	<u>.</u>	
SCILI	HANFORD	SANDY	ELAY_LOA	A		NTAINER NA	HAERI AT
RADI GNU	CLIDEL	10- 41				IR PLANTER	
INITIAL	SOIL AC	TIVITY	(D/\$/4H	11 444.70	PA	TA CHERSED	1.141
			NUMBER		COUNTING	SPECIFIC	
<u>Sample</u> Mumber	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GH)	ASU
1201	SHOOT	27	40	0.0994	3,9755	1430.747	3.228+00
4762 4703	SEL MEAD_	41 41	10	0.5142	5.1421 0.9905	173.037	2.308+00 1.878-01
1704	LEAVES	54	10	0.2448	2.6477	1527.177	3.428+00
8705 8704	STALK HEAD	<u>54</u>	10 10	0.5713 0.3336	5.7123 3.3358	<u>289,017</u> 231,289	3.188-01
1707	HEAD	70	10		11.4425	103-033	2.358-81
8708	STALK	70 70	10 10	0.6832	4.4315	755.496	1.698+60
1709 1710	LEAVES HEAD	0.6	10	1,3913	2.4160 13.9127	1470,498 133,383	2.748+00 2.798-01
8711	STALK		10	0,5934	5.9340	981,924	2.200+00
8712 8713	HEAD	97_	10 10	0.2217 1.3028	2.2171 13.0252	141.932	3.400+00 3.100-01
6714	STALK	97	10	0.5244	5.2476	1139.937	2.558+00
8715 8714	LEAVES HEAD	97 102	230	0.2435	2.4354 19.2054	20 <b>53.937</b> 219.653	4-408+00 4-928-01
ATIT	STALK	102	10	0.4026	4.0257	1271.480	2.058+00
4714	LEAVES	102	10	0.1940	1.9399	2270.345	5.088+00
8718							
6720	GRAIN CHAFF	102	280 320	Q.6525 Q.Q363 TABLE A- 88	5.0000	384.021	8.448-01
6720	CHAFF	102	220 220 PLANT UP	0.6525 0.0343 Table A- 88	20.0000 5.0000	384.021	8.448-01
8719 8720	CHAFF CHAFF	102 102	220 220 PLANT UP	0.6525 0.0343 TABLE A- 88 TAKE SUMMARY	20.0000 5.0000	386.G21	0.448-01 MBER: 44
SOIL:	CHAFF CHAFF	102 102 102	PLANT UP	0.6525 0.0343 Table A- 88	20.0000 5.0000	386.G21 ONTAINER NU	MBER: 98
SOIL:	CHAFF CHAFF	102 102 102	PLANT UP	0.6525 0.0343 TABLE A- 88 TAKE SUMMARY	20.0000 5.0000	386.G21 ONTAINER NU	MBER: 44
SOIL:	CHAFF CHAFF	LGAN + SR- A5	280 220 PLANT UP 2008 CA	0.6525 0.0343 TABLE A- 88 TAKE SUMMARY	20.0000 2. WHEAT  COUNTING	386.G21 DATAIMER MU ATE PLANTED ATE EMERGED	WAER: 98
SOIL: RADIGNU INITIAL SAMPLE NUMBER	CHAFF  HANFORD  CLIDE:  SOIL A	LOAN + SR- A5 GILVITY AGE (DAYS)	200 220 PLANT UP 2008 CA (D/S/GM NUNBER OF PLANTS	O.6525 O.0343 TABLE A- 88 TAKE SUMMARY  ILCIUP  IJ: 307.40  DRY MEIGHT (GM/PLANT)	20.0000  S.0000  WHEAT  COUNTING DRY MEIGHY (GRAMS)	SPECIFIC ACTIVITY (D/S/GM)	#BER: 98
SOIL: RADIGNU INITIAL SAMPLE NUMBER	CHAPP  HANFORD  CLIDET  SOIL AI  PLANT PART  SHOOT	LOAM + SR- #5 CTIVITY  AGE (DAYS)	PLANT UP  ROS CA  ID/S/GP  NUNBER  OF  PLANTS	0.4525 0.0343 TABLE A- 88 TAKE SUMMARY ILCIUM 131 307.40 DRY MEIGHT (GM/PLANT)	20.0000  2. WHEAT  COUNTING DRY MEIGHY (GRAMS)  2.5145 3.2520	SPECIFIC ACTIVITY (D/S/GM)	MBER: 98 1: 126 1: 142 ASU 2: 318+80 1: 958-01
SOIL: RADIGNU INITIAL SAMPLE NUMBER	CHAFF  HANFORD  CLIDE:  SOIL A	LOAN + SR- A5 GILVITY AGE (DAYS)	200 220 PLANT UP 2008 CA 10/S/GP NUNBER OF PLANTS 20 5	O.6525 O.0343 TABLE A- 88 TAKE SUMMARY  ILCIUP  IJ: 307.40  DRY MEIGHT (GM/PLANT)	20.0000  S.0000  WHEAT  COUNTING DRY MEIGHY (GRAMS)	SPECIFIC ACTIVITY (D/S/GM)	MBER: 98 1: 126 1: 142 ASU 2: 318+80 1: 958-01
SOIL: RADIGNU INITIAL SAMPLE NUMBER 9802 9803 9804 9805	CHAPP  CHAPP  HANFORD  CLIDE:  SOIL AN  PLANT PART  SHOOT SEL HEAD LEAVES STALK	102 102 102 102 102 102 102 102 102 102	PLANT UP  POOR CA  ID/S/GP  NUNBER OF  PLANTS  30 5 10 10	0.6525 0.0343 TABLE A- 88 TAKE SUMMARY ILCIUP III 307.60 DRY MEIGHT IGM/PLANTI 0.6504 0.2290 0.2175 0.5492	20.0000 5.0000 : WHEAT  COUNTING DRY WEIGHY (GRAMS)  2.5145 3.2520 2.2897 2.1744 5.4917	SPECIFIC ACTIVITY (D/S/GH)  710-494 60-023 614-024 239-482	#BER: 98 #1: 126 #1: 142 #1: 142 #2: 318+60 1-958-01 2-018+00 8-448-01
SOIL: RADIGNU INITIAL SAMPLE NUMBER 9802 8802 8803	CHAPP  HANFORD  CLIDE:  SOIL A  PLANT PART  SHOOT SEL LEAVES	102 102 102 102 102 102 102 102 103 103 103 103 103 103 103 103 103 103	200 220 PLANT UP 2008 CA 10/S/GP NUNBER OF PLANTS 20 5	0.4525 0.0343 TABLE A- 88 TAKE SUMMARY ILCIUP IN 307.40 IN 1 307.40 IN 1 307.40 IN 1 307.40 IN 1 307.40	20.0000 5.0000 : WHEAT  COUNTING DRY MEIGHY (GRAMS)  2.5165 3.2520 2.2897 2.11746	SPECIFIC ACTIVITY (D/S/GM)  710.494 40.023 849.781	######################################
SOIL: RADIGNU INITIAL SAMPLE NUMBER 4802 4803 4804 4805	CHAPP  CHAPP  CHAPP  MANFORD  CLIDE:  SOIL A  PLANT PART  SHOOT SEL HEAD LEAVES STALK HEAD STALK	102 102 102 102 102 102 102 102 103 103 103 103 103 103 103 103 103 103	PLANT UP  PLANT UP  PLANT UP  PLANT UP  PLANTS  AD  AD  AD  AD  AD  AD  AD  AD  AD  A	0.6525 0.0343 TABLE A- 88 TAKE SUMMARY ILCIUP IJ: 307.60 IQM/PLANTI 0.6504 0.2270 0.2175 0.5692 0.2472 0.2472 0.2472 0.7828	20.0000 5.0000 2: WHEAT  COUNTING DRY MEIGHY (GRAMS)  2.5165 3.2520 2.2897 2.1746 3.4917 2.9573 7.8278	386.021  DATA IMER NUATE PLANTED  ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  710-494 60-023 618-026 249-482 127-540 60-485 343-491	#BER: 98 #1: 126 #1: 142 #1: 1
SOIL: RADICHU INITIAL SAMPLE NUMBER 4802 4803 4804 4807 6800 6809	CHAPP  CHAPP  CHAPP  MANEGRD  CLIDE:  SOIL A  PLANT PART  SHOOT SEL HEAD LEAVES STALK HEAD HEAD STALK LEAVES	102 102 102 102 102 102 102 103 104 104 104 104 105 105 105 105 105 105 105 105 105 105	PLANT UP  PLANT UP  PLANT UP  PLANTS  NUNBER  OF  PLANTS  10  10  10  10  10  10	0.4525 0.0343 TABLE A- 88 PTAKE SUMMARY 111 307.40 DRY MEIGHT (GM/PLANT) 0.4504 0.2290 0.2175 0.2492 0.2957 0.2472 0.7826 0.2244	20.0000  2.0000  2.0000  2.0000  2.0000  COUNTING DRY WEIGHT (GRAMS)  2.5145 3.2520 2.2297 2.1744 5.4917 2.9973 9.4720 7.8278 2.2440	386.021  DATA IMER MU  ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  710.494 60.023 618.026 849.981 229.482 127.540 60.683 343.691 1032.668	#BER: 98 #1: 126 #1: 126 #1: 143 #2: 318+00 1-958-01 2-018+00 2-788+00 1-978-01 1-128-01 1-128-01 1-128-01
\$119 8720 \$1111 RADIGNU INITIAL SAMPLE NUMBER 8802 4802 4803 8804 4805 8806 8806 8809 8810	CHAPP  CHAPP  CHAPP  MANEGRO  CLIDE:  SOIL A  PLANT PART  SHOOT SEL HEAD LEAVES STALK HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES	102 102 102 102 102 102 102 102 103 103 103 103 103 103 103 103 103 103	PLANT UP  3008 CA  10/S/GP  NUNBER OF PLANTS  30 10 10 10 10 10 10	0.4525 0.0343 TABLE A- 88 PTAKE SUMMARY 11. 307.40 DRY MEIGHT 1GM/PLANT1 0.6904 0.2290 0.2175 0.3492 0.2175 0.2462 0.2244 1.2583 0.5012	20.0000 5.0000 2: WHEAT  COUNTING DRY MEIGHY (GRAMS)  2.5165 3.2520 2.2897 2.1746 3.4917 2.9573 4.6720 7.8278 2.2440 12.5833 5.0116	386.G21  DATA IMER NUATE PLANTED  ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GH)  710.494 60.023 618.026 849.021 259.482 127.540 60.685 343.691 1037.668 66.820 561.850	2.318+60 1.959-01 2.018+00 8.448-01 4.150-01 1.128+00 3.388+00 2.178-01 1.128+00
\$119 8720 \$1111 RADICHU INITIAL INITIAL SAMPLE NUMBER \$802 \$804 \$804 \$804 \$805 \$804 \$807 \$800 \$810 \$810 \$810 \$811 \$812	CHAFF  CHAFF  CHAFF  CHAFF  CHAFF  CHAFF  SOIL A  PLANT PART  SHOOT SEL HEAD LEAVES STALK HEAD HEAD STALK HEAD STALK LEAVES HEAD LEAVES	102 102 102 102 102 102 102 102 103 103 103 103 103 103 103 103 103 103	200 220 220 200 200 200 200 200 200 200	0.4525 0.0343 TABLE A- 88 PTAKE SUMMARY 111 307.60 DAY MEIGHT 1GM/PLANT1 0.6504 0.2290 0.2173 0.7692 0.2957 0.7692 0.2244 1.2583 0.5012 0.1645	20.0000  5.0000  2: WHEAT  CGUNTING DRY MEIGHY (GRAMS)  2.5145 3.2520 2.2897 2.1744 5.4917 2.9973 9.4720 7.8274 2.2440 12.5833 5.0114 1.4455	386.G21  DATAIMER MU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  710.494 60.023 618.026 849.981 127.540 60.685 140.985 1019.668 66.820 1039.668 1039.668	#BER: 98 #1: 126 #1: 126 #1: 126 #1: 126 #1: 129 #1: 1
\$119 8720 \$1111 RADIGNU INITIAL SAMPLE NUMBER 8802 4802 4803 8804 4805 8806 8806 8809 8810	CHAPP  CHAPP  CHAPP  MANEGRO  CLIDE:  SOIL A  PLANT PART  SHOOT SEL HEAD LEAVES STALK HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES	102 102 102 102 102 102 102 102 103 103 103 103 103 103 103 103 103 103	PLANT UP  3008 CA  10/S/GP  NUNBER OF PLANTS  30 10 10 10 10 10 10	0.4525 0.0343 TABLE A- 88 PTAKE SUMMARY 11. 307.40 DRY MEIGHT 1GM/PLANT1 0.6904 0.2290 0.2175 0.3492 0.2175 0.2462 0.2244 1.2583 0.5012	20.0000 5.0000 2: WHEAT  CG  D/  CGUNTING  DRY MEIGHY  (GRAMS)  2.5145 3.2520 2.2897 2.1744 5.4917 2.9973 4.620 7.8278 2.2440 12.5833 5.0114 1.4455 14.1329 5.3718	386.G21  DATA IMER NUATE PLANTED  ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GH)  710.494 60.023 618.026 849.021 259.482 127.540 60.685 343.691 1037.668 66.820 561.850	######################################
\$119 \$720 \$6720 \$6720 \$672 \$801 \$802 \$804 \$804 \$805 \$804 \$807 \$804 \$807 \$808 \$809 \$810 \$810 \$810 \$810 \$810 \$811 \$812 \$813 \$814 \$815	CHAFF  CH	102 102 102 102 102 102 102 102 103 103 103 103 103 103 103 103 103 103	200 220  PLANT UP  300 CA  (D/S/GP  NUNBER OF  PLANTS  10 10 10 10 10 10 10 10 10 10 10 10 10	0.4525 0.0343 TABLE A- 88 PTAKE SUMMARY 111 307.60 DAY MEIGHT 1GM/PLANT1 0.6504 0.2290 0.2175 0.7622 0.2492 0.2244 1.2583 0.5012 0.1645 1.4133 0.5372 0.2221	20.0000  5.0000  2.0000  2.0000  2.0000  Diversify (GRAMS)  2.5145 3.2520 2.2897 2.1744 5.4917 2.9973 9.4720 7.8274 2.2240 12.5833 5.0114 1.4455 14.1329 5.3718 2.22215	386.G21  DATAIMER MU  ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  710.494 60.023 618.026 649.981 227.540 60.825 64.248 66.820 561.850 1039.648 66.820 693.752 64.248 629.094 1220.404	2.318+80 1.958-01 2.078+00 2.078+00 2.078+00 1.958-01 1.958-01 1.958-01 1.958-01 2.058+00 2.078-01 2.058+00 2.078-01 3.988+00 2.058+00 3.438+00 2.058+00 3.958+00
\$119 \$720 \$0111 RADIGNU INITIAL SAMPLE NUMBER \$802 \$802 \$804 \$804 \$805 \$806 \$809 \$810 \$811 \$812 \$813 \$814	CHAPP  HANFORD  CLIDE:  SOIL AN  PLANT PART  SHOOT SEL HEAD LEAVES STALK HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK	102 102 102 102 102 102 102 102 103 104 103 104 105 105 105 105 105 105 105 105 105 105	200 220  PLANT UP  3008 CA  10/S/GP  NUMBER OF  PLANTS  10 10 10 10 10 10 10 10 10 10 10 10 10	0.6525 0.0343 TABLE A- 88 CIAKE SUMMARY ILCIUP III 307.60 IRC MEIGHT (GM/PLANT) 0.6504 0.2290 0.2175 0.8492 0.2293 0.7826 0.2264	20.0000 5.0000 2: WHEAT  CG  D/  CGUNTING  DRY MEIGHY  (GRAMS)  2.5145 3.2520 2.2897 2.1744 5.4917 2.9973 4.620 7.8278 2.2440 12.5833 5.0114 1.4455 14.1329 5.3718	386.021  DITALMER MU  ATE PLANTED  ATE EMERGED  T10.494 60.023 614.024 849.024 127.540 60.685 343.691 1032.668 60.820 561.850 1053.752 642.248 622.054	#BER: ## #1 126 #1 126 #1 126 #1 126 #1 126 #1 129
\$119 8720 \$6720 \$6111 \$ADICHU \$1111AL \$1111AL \$1111AL \$11AL \$1	CHAFF  CHAFF  CHAFF  CHAFF  MANFORD  CLIDE:  SOIL A  PLANT PART  SHOOT SELD LEAVES STALK HEAD HEAD STALK LEAVES HEAD	102 102 102 102 102 102 102 102 103 103 104 103 104 104 105 105 105 105 105 105 105 105 105 105	200 2234	0.6525 0.0363 TABLE A- 88 TAKE SUMMARY ILCIUM ILC	20.0000 5.0000 2: WHEAT COUNTING DRY WEIGHY (GRAMS) 2.5145 3.2520 2.2897 2.1744 5.4917 2.9973 9.6720 7.8278 2.2240 12.5833 5.0116 1.4455 14.1329 5.3718 2.2215 16.5224	386. G21  GNTAINER MU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  710.494 60.023 618.026 849.981 239.482 127.540 60.685 343.691 1039.668 66.820 561.850 1039.752 629.054 1220.404 69.793	######################################

				TABLE A- 49			
	<del></del>	<b>!</b>	LANT UP	TAKE SUMMARY	1 WHEAT		
SCIL: H	ANFCRO	LOAM +	508 CA	rcinu		NTAINER MU	HAER: A
RADIONUC	LIDE	SR- 42			DA	TE PLANTER	1.196
INITIAL.	SOLL AC	114114	<u> 10/3/68</u>	11 107.40	DA	TE EMERGED	1.163
			NUMBER		COUNTING	SPECIFIC	
NUMBER	PART	(DAYS)	<u>QF</u> PLANTS	ORY MEIGHT (GM/PLANT)	DRY WEIGHT (GRAMS)	(D/S/GH)	ASU
4901	SHOOT	30	10	0.0865	2.5934		1.202+00
8902 4903	SEL MEAD	43 43		0.5224	2.4120	344,553 104,721_	1.138+0( 3.408-0)
8904	LEAVES	51	10	0.1854	1.4540	665.742	2.148+00
1905	STALK	<u> </u>	10	0.4453	<u>4.6531</u> 2.3148	236.598 128.378	7-698-01
8906 8907	HEAD HEAD		io	0.7534	7.4340	47.719_	2.202-0
8008	STALK	67	10	0.4590	6.5897	304.444	7. 702-01
8910	LEAVES HEAD	<u>&amp;7</u>	10	1.3440	13.6597	78.843	2.548-01
4911	STALK		10	0.5398	5.1941	597,373	1-948+01
8912	LEAVES HEAD	85 94	10 _10	0.2440	2.4397 	1013.505	3.308+00 2.898-0
8914	STALK	94	10	0.4178	4-1763	669.517	2.144+0
4915	LEAVES HEAD	94	219	<u>0.1497</u> 1.0482	14-1045	1147-105 85-068	3.738+01 2.778-01
8916 8917	STALK.	99	10	0.4214	4-2143	263.093	1.438+0
						994.823	3.238+0
8918	LEAVES	99	10	0.3229	3.2291		
8918 8919 8920	GRAIN CHAFF	99 99 99	209 209	0.3229 0.4113 0.0546	20.0000 5.0000	47.175 185.456	1.513-0
1919	GRAIN	99	208	0.8113	20.0000 5.0000	47-179	1.513-0
1919	GRAIN CHAFF	99	209 209	0.4113 0.0546	20.0000 510000	47-175	1.513-0
8920	GRAIN CHAFF		209 209 PLANT UP	G.ATT3 G.0546 TABLE A- 90	20.0000 5.0000 )	47.175	1.512-0 4.038-0
8920 8920	GRAIN CHAFF	LOAR +	209 209 PLANT UP	Q.4113 Q.0544 TABLE A- 90 TAKE SUMMARY	20.0000 5.0000 )	47.179 185.456	1.518-0 6.038-0
SOIL:	GRAIN CHAFF HANFGRO	99 99 LOAH + SR05	209 209 PLANT UE	O.0544 TABLE A- 90 TAKE SUMMARY	20.0000 5.0000 7: MHEAT	185.436  ONTAINER NU	1.518-0 6.038-0 MBER: 9
SOIL:	GRAIN CHAFF HANFGRO	99 99 LOAH + SR05	209 209 PLANT UE	Q.4113 Q.0544 TABLE A- 90 TAKE SUMMARY	20.0000 5.0000 7: MHEAT	185.436  ONTAINER NU	1.518-0 6.038-0 MBER: 9
SOIL: PAGIONU	GRAIN CHAFF HANFORD (GLIDE)	LOAM + SR- 85	209 209 PLANT UP 1003 CA	O.0544 TABLE A- 90 TAKE SUMMARY	ZO.0000 5.0000 C: MHEAT  COUNTING	27.179 185.436  ONTAINER NU ATE PLANTED ATE EMERGED  SPECIFIC	1.518-0 6.038-0 MBER: 9
SOIL: PAGIONU	GRAIN CHAFF HANFORD (GLIDE)	LOAM + SR- 05 CIIVIIY	209 209 PLANT UP	O.0544 TABLE A- 90 TAKE SUMMARY	ZO.0000 5.0000 C: MHEAT  COUNTING	A7.179 185.436 ONTAINER NO ATE PLANTED ATE EMERGED	1.518-0 6.038-0 MBER: 9
SOIL: RADIONU LATTIAL SAMPLE NUMBER	GRAIN CHAFF HANFORD IGLIDE: SOIL A PLANT PART	LOAM + SR- 85 GILVILY AGE (DAYS)	209 209 PLANY UP 1008 CA 10/S/GP NUMBER QF FLANTS	O.0546 TABLE A- 90 TAKE SUMMARY ALGIUM  DRY MEIGHT (GM/PLANT)	COUNTING DRY WEIGHT (GRAMS)	AT-179 185.436  DATAINER MU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  597.4163	1.518-0 6.038-0 8.038-0 MRER: 9
SOIL: RADIDMU INITIAL SAMPLE MUMBER 9002	GRAIN CHAFF  HANFORD IGLIDE: SOIL A PLANT PART SHOOT	LOAM + SR- 85 CITYITY AGE (OAYS)	209 209 PLANT UP 1003 CA 10/1/GP NUMBER QF PLANTS	O.0546 TABLE A- 90 TAKE SUMMARY  LILLIA  DRY MEIGHT  (GN/PLANT)  0-1034	COUNTING DRY MEIGHT (GRAMS)	AT-179 185.436  DATAINER NU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  5974443 398.337	1.518-0 6.038-0 6.038-0 MBER: 9 1:156 1:163 ASU 1.948+0
SOIL: RADIONU LATTIAL SAMPLE NUMBER	GRAIN CHAFF HANFORD IGLIDE: SOIL A PLANT PART	49 99 LOAH + SR- 85 CILVILY AGE (OAYS)	209 209 PLANY UP 1008 CA 10/S/GP NUMBER QF FLANTS	O.0546 TABLE A- 90 TAKE SUMMARY ALGIUM  DRY MEIGHT (GM/PLANT)	COUNTING DRY WEIGHT (GRAMS)	AT-179 185.436  DATAINER MU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  597.4163	1.518-0. 6.038-0 6.038-0 6.038-0 6.038-0 6.038-0 6.038-0 6.038-0 6.038-0 6.038-0 6.038-0 6.038-0 6.038-0
SOLL: RADIONU IAITIAL SAMPLE NUMBER 9002 9003 9004 9005	GRAIN CHAFF  HANFORD IGLIDE: SOIL A PLANT PART SHOOT SEL HEAD LEAVES STALK	49 99 LOAM + SR- 85 GIIVIIY AGE (OAYS) 30 43 43 43 51	209 209 PLANY UP 1008 CA 10/S/GP NUMBER QF PLANTS 30 5 10	O.0546 TABLE A- 90 TAKE SUMMARY  LILIM  DRY MEIGHT (GM/PLANT)  0.0905 0.2801 0.1876 0.3980	20.0000 5.0000 ) (: MHEAT CI Dry MEIGHT (GRAMS) 3.4925 2.8010 1.8760 3.4800	37.179 185.436  DATAINER MU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  597.40.3 398.337 40.546 818.764 297.916	1.918-0 6.038-0 6.038-0 MRER: 9 1:156 1:163 ASU 1.948-0 2.628-0 2.668-0 9.698-0
\$920 \$01L1 PADIONU IAITIAL SAMPLE NUMBER 5001 9002 9003 9004 9005	GRAIN CHAFF  HANFORD IGLIRE: SOIL A PLANT PART SHOOT SEL LEAVES	AGE (CAYS)  30 43 51 51	209 209 PLANT UP 1003 CA 10/3/GP NUMBER GF PLANTS 30 10 10	O.0546 TABLE A- 90 TAKE SUMMARY  LICIUM  DRY MEIGHT (GM/PLANT)  0.1034 0.6905 0.2801 0.1876 0.3980 0.1716	20.0000 5.0000 3 4: MHEAT COUNTING DRY MEIGHT (GRAMS) 3.1013 3.4925 2.4910 1.8760 3.9800 1.7162	27.179 185.436  2NTAINER NU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  597.4163 298.337 48.354 818.764 297.916 125.493	1.518-0 6.038-0 6.038-0 MRER: 9 1:156 1:163 1:163 1:298+0 2.628-0 2.668+0 4.088-0
\$919 8920 SCIL: RADIONU IAIYIAL SAMPLE NUMBER 5001 9002 9003 9004 9005 9006 9007 9008	GRAIN CHAFF  HANFORD IGLIDE: SGIL A PART SHOOT SEL HEAD LEAVES TALK HEAD HEAD STALK	49 99 LOAM + SR- 65 GIIVIIY AGE (OAYS) 30 43 43 51 51 51 67	209 209 209 PLANY UP 1008 CA 10/5/GP NUMBER QF PLANTS 10 10 10 10	O.0546 TABLE A- 90 TAKE SUMMARY  O.0546 TABLE A- 90  TAKE SUMMARY  O.01034 O.0905 O.2801 O.1876 O.3980 O.1716 O.8691 O.8523	20.0000 5.0000 7: MHEAT COUNTING DRY WEIGHT (GRAMS) 3.4925 2.8010 1.8760 3.9800 1.7162 8.5230	37-179 185-456  DATAINER NU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  597-183 398-337 80-544 297-916 125-493 73-550 314-845	1.918-0 6.038-0 6.038-0 MRER: 9 1:156 1:163 1:163 1:48+0 1:298+0 2:628-0 4:088-0 4:088-0 1:038+0
\$920 \$01L1 \$ADIDMU IAITIAL SAMPLE NUMBER \$001 9002 9003 9004 9005 9006 9007 9009	GRAIN CHAFF  HANFORD IGLIDES SOIL A  PLANT PART  SHOOT SEL HEAD LEAVES STALK HEAD HEAD STALK LEAVES	AGE (CAYS)  30 43 43 51 51 67 67	208 209 209 PLANT UP 1008 CA 10/3/GP NUMBER QF PLANTS 30 10 10 10 10	O.0546 TABLE A- 90 TAKE SUMMARY  LLCIUM  DRY MEIGHT (GM/PLANT)  0.1034 0.4905 0.2801 0.1876 0.3980 0.1716 0.8691 0.8691 0.8223	20.0000 5.0000 3 4: MHEAT COUNTING DRY MEIGHT (GRAMS) 3.4925 2.4910 1.7760 3.9800 1.7162 8.5230 2.2380	A7.179 185.436  2NTAINER NU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  597.4163 398.337 40.356 818.764 297.916 125.493 73.550 314.845 890.882	1.918-0 6.038-0 6.038-0 MRER: 9 1:156 1:163 1:163 1:298+0 2.668+0 9.698-0 4.088-0 2.398-0 1.038+0 2.908+0
#919 8920 SCIL: RADIONU IAITIAL SAMPLE NUMBER 9002 9003 9004 9005 9006 9009 9011	GRAIN CHAFF  HANFORD IGLIRE: SOIL A PLANT PART  SHOOT SEL HEAD LEAVES STALK HEAD STALK LEAVES HEAD STALK	AGE (CAYS)  AGE (CAYS)  30 43 51 51 67 67 67 67 65 85	209 209 209 PLANY UP 1008 CA 10/3/GP NUMBER QF FLANTS 10 10 10 10 10 10	0.4113 0.0546 TABLE A- 90 PTAKE SUMMARY LLGIUM DRY MEIGHY (GM/PLANT) 0.1034 0.6905 0.2801 0.1876 0.3980 0.1716 0.8923 0.2238 0.2238 0.6905 0.6086	20.0000 5.0000 7: MHEAT COUNTING DRY. MEIGHT (GRAMS) 3.4525 2.8010 1.8760 3.9800 1.7162 8.5230 2.2280 15.0984 6.0858	37-179 185-436  DATAINER MU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  597-163 398-337 80.596 818-764 297.916 125-493 314-895 918-895 890-882 65-118 582-735	1.918-0 6.038-0 6.038-0 MRER: 9 2:155 2:155 2:155 2:163 4.028-0 4.088-0 4.088-0 4.088-0 2.928-0 1.038+0 2.928-0 2.128-0 1.038+0
\$920 \$920 \$GIL: \$ADIDNU !AITIAL !AITIAL !AITIAL !AITIAL !AITIAL 9002 9003 9004 9004 9006 9009 9010 9010 9011	GRAIN CHAFF  HANFORD IGLIDE: SOIL A  PLANT PART  SHOOT SCL MEAD LEAVES STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES	AGE (CAYS)  AGE (CAYS)  30 43 43 51 51 67 67 67 85	209 209 209 PLANT UP 1003 CA 10/3/GP NUMBER GF PLANTS 30 10 10 10 10 10 10 10	O.8113 O.0546 TABLE A- 90 TAKE SUMMARY  LCIUM  DRY MEIGHT (GM/PLANT)  O.6905 G.2801 O.1876 G.8691 O.8523 O.6238 O.6238 O.6066 O.1703	20.0000 5.0000 3 4: MHEAT CI COUNTING DRY MEIGHT (GRAMS) 3.4925 2.8010 1.8760 3.900 1.7162 4.9008 8.5230 2.2280 15.0984 6.0858 1.7032	A7.179 185.456  2NTAINER NU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  597.103 398.337 40.356 818.764 297.916 125.493 73.550 314.845 890.882 65.118 565.735 1098.617	1.518-0 6.038-0 6.038-0 6.038-0 1.298-0 1.298-0 2.628-0 2.668-0 2.398-0 1.038-0 2.908-0 2.128-0 2.128-0 3.578+0
#919 8920 SCIL: RADIONU IAITIAL SAMPLE NUMBER 9002 9003 9004 9005 9006 9009 9011	GRAIN CHAFF  HANFORD IGLIRE: SOIL A PLANT PART  SHOOT SEL HEAD LEAVES STALK HEAD STALK LEAVES HEAD STALK	AGE (CAYS)  AGE (CAYS)  30 43 51 51 67 67 67 67 65 85	209 209 209 PLANY UP 1008 CA 10/3/GP NUMBER QF FLANTS 10 10 10 10 10 10	0.4113 0.0546 TABLE A- 90 PTAKE SUMMARY LLGIUM DRY MEIGHY (GM/PLANT) 0.1034 0.6905 0.2801 0.1876 0.3980 0.1716 0.8923 0.2238 0.2238 0.6905 0.6086	20.0000 5.0000 7: MHEAT COUNTING DRY. MEIGHT (GRAMS) 3.4525 2.8010 1.8760 3.9800 1.7162 8.5230 2.2280 15.0984 6.0858	37-179 185-436  DATAINER MU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  597-163 398-337 80.596 818-764 297.916 125-493 314-895 918-895 890-882 65-118 582-735	1.918-0 6.038-0 6.038-0 MBER: 9 1:159 1:159 1:163 ASU 1.948+0 1.628-0 2.668+0 9.698-0 4.088-0 4.088-0
#919 8920 SGIL: RADIDMU IAITIAL IAITIAL SAMPLE NUMBER 9002 9003 9004 9009 9010 9010 9011 9012 9013 9013 9013	GRAIN CHAFF  HANFORD IGLIDE: SOIL A  PLANT PART  SHOOT MEAD LEAVES HEAD HEAD HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES	49 99 LOAM + SR- 85 CTIVITY AGE (OAYS) 43 43 43 51 51 67 67 67 67 85 85 85 94 94	209 209 209 209 209 209 200 200 200 200	0.4113 0.0546 TABLE A- 90 TAKE SUMMARY SLCIUM 11: 307.60 DRY MEIGHY (GM/PLANY) 0.6905 0.2801 0.1876 0.2801 0.1876 0.4923 0.2238 1.5098 0.6086 0.1703 1.1928 0.5193 0.1919	20.0000 5.0000 6.0000 7: MHEAT CI COUNTING DRY MEIGHT (GRAMS) 3.4925 2.8010 1.8760 3.900 1.7162 4.9008 6.5230 2.2280 15.0984 6.0858 1.7032 11.9280 5.1925 1.6485	A7-179 185.456  2NTAINER NU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  597-1163 398-337 40.356 818.764 297-916 125.493 72-550 316.865 890.882 65.116 555-736 1098.617 71-123 648.368 1132-723	1.518-0 6.038-0 6.038-0 6.038-0 1.298-0 1.298-0 2.628-0 2.628-0 2.628-0 2.398-0 2.128-0 2.128-0 2.128-0 2.128-0 2.128-0 2.128-0 2.128-0 2.128-0 2.128-0
SGIL: PADIONU  LATTIAL  SAMPLE NUMBER  9003 9004 9005 9007 9008 9007 9010 9011 9012 9014 9015 9014 9015	GRAIN CHAFF  HANFORD IGLIRE: SOIL A  PLANT PART  SHOOT SEA HEAD HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK	AGE (OAYS)  AGE (OAYS)  30 43 51 51 67 67 67 67 99 94	209 209 209 209 209 209 200 200 200 200	Q.4113 Q.0546 TABLE A- 90 TAKE SUMMARY  LLCIUM  DRY MEIGHT (GM/PLANT)  Q.1034 Q.6905 Q.2801 Q.1876 Q.3980 Q.1716 Q.8691 Q.8523 1.5098 Q.6086 Q.1703 1.1928 Q.5193 Q.1649 1.1612	20.0000 5.0000 5.0000 7: MHEAT COUNTING DRY MEIGHT (GRAMS) 3.4925 2.8010 1.8760 3.4900 1.7162 8.5230 2.2180 15.0984 6.0858 1.7032 11.9280 5.1925 1.46485 13.0465	37-179 185-456  DATAINER MU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  597-163 398-337 40.546 818-764 297-916 125-493 314-845 890-882 65-116 565-736 1098-617 71-123 648-368	1.518-0 6.038-0 6.038-0 6.038-0 1.598-0 1.638-0 2.668-0 9.698-0 2.908-0 2.908-0 2.908-0 2.918-0 2.128-0
#919 8920 SGIL: RADIDMU IAITIAL IAITIAL SAMPLE NUMBER 9002 9003 9004 9009 9010 9010 9011 9012 9013 9013 9013	GRAIN CHAFF  HANFORD IGLIDE: SOIL A  PLANT PART  SHOOT SEL HEAD LEAVES STALK HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES HEAD	AGE (OAYS)  AGE (OAYS)  30 43 43 51 51 67 67 67 67 99 94 99	209 209 209 209 209 209 200 200 200 200	0.4113 0.0546 TABLE A- 90 TAKE SUMMARY SLCIUM 11: 307.60 DRY MEIGHY (GM/PLANY) 0.6905 0.2801 0.1876 0.2801 0.1876 0.4923 0.2238 1.5098 0.6086 0.1703 1.1928 0.5193 0.1919	20.0000 5.0000 6.0000 7: MHEAT CI COUNTING DRY MEIGHT (GRAMS) 3.4925 2.8010 1.8760 3.900 1.7162 4.9008 6.5230 2.2280 15.0984 6.0858 1.7032 11.9280 5.1925 1.6485	A7.179 185.456  2NTAINER NU ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  597.4163 398.337 818.764 297.916 125.493 73.2550 316.865 890.882 65.116 565.737 71.123 648.368 11322.723 77.851	1.518-0 6.038-0 6.038-0 6.038-0 1.298-0 1.298-0 2.628-0 2.628-0 2.628-0 2.398-0 2.128-0 2.128-0 2.128-0 2.128-0 2.128-0 2.128-0 2.128-0 2.128-0 2.128-0

TABLE A- 41

				14066 4- 11	· · · · · · · · · · · · · · · · · · ·		······································
			PLANT U	TAKE SUMMARY	II MHEAT	·	
20111	HANFORD	LOAR +	2001 C	LC TUM	CE	MTAINER NU	MARRI 91
RADION	ICL TOE:	58- 45			04	TE PLANTED	1 156
INITIAL	SOLLA	CTIVITY	(0/3/6)	11 307-40	04	TE ENERGED	1 143
SAMPLE	PLANT	AGE	NUMBER	DAY WEIGHT	COUNTING DRY MEIGHT	SPECIFIC	ASU
NUMBER	PART		PLANTS	(GM/PLANT)	(GRAMS)	(D/8/6H)	
9101	SHODT	30	30	0-1049	3.1482	754.481	2.458+00
4105	SEL	43	10	0-4501	6.5013	472.934	1.548+00
9103	HEAD LEAVES	51	<u>10</u>	0.2250	2.4057 2.0292	788.475	2.568+00
9105	STALK			0.4224	5-4013	209.113	4.808-01
9106 9107	HEAD HEAD	51 47	10	0.2985	2.6864 7.7661	95.634 	3-118-01
1108	STALK	67	10	0.4473	6.4730	411.774	1.348+00
9110	LEAVES HEAD	47 65	10	1.5820	2-0040 15-0201	1003-248 63-351	3.268+00 2.068-01
9111	STALK			0.4502	4.5021		2.098+00
9112	LEAVES	85	10	0.2122	2.1221	1156.009	3.768+00
9111	STALK	94	10	0.5850	14 <u>.3775</u> 5.8499	457.805	2-418-01 2-148+00
9115	LEAVES	94_	10	0.2122	2.1217	1262.799	4-048+00
9116	HEAD Stalk	99	210 10	1-1920	18.2324	69,414	2.268-01 2.158+00
9110	LEAVES	99	10	0.2275	2.2747	1081.805	3.528+00
9119	GRAIN	99	200	0_4991	20,0000		1.288-01
9120	CHAFF	77	200	0.0520 TABLE A- 92	5.0000	144.885	4.782-01
				TAKE SUMMARY	1MHEAT.		
	OAKLEY_S					NTAINER NU	
	CLIDE				DA		
INITIAL	SOLL AC	TIVITY	(D/S/GN	31 400.40	DA	<u>TE EMEAGED</u>	1.159
			NUMBER	*** L.P.*****	COUNTING	SPECIFIC	A # 1.1
SAMPLE. Number	PART	(DAYS)	PLANTS	(GM/PLANT)	IGRAMS)	(D/S/GH)	ASU
9201	SHODT	27	40	0.1022	4.0895	1277.014	3.192+00
9202	SEL	41	10	0.5245	5.2445	771-668	1.938+00
9203	HEAD	41 54	11	0.1949	1.2175 2.1657	224.365 1453.328	3.438+00
9204 9205	LEAVES	- 34 - 34		0-4022	4.4244	540.722	1.358+00
9206	HEAD	54	11	0.2580	2.6381	342.759	8.562-01 5.098-01
9207 9208	STALK	<u>70</u> 70	10 10	0.7159 0.4879	7.1585 4.8785	917.712	2.298+00
9209	LEAVES	70	10	Q.1895	1.0950	1740.684	4.358+00
9210 9211	HEAD STALK	14 11	10 10	1.0883 C.3411	10.6830	164.069 1168.741	4.108-01 2.928+00
9212	LEAVES	86	LO	0-1660	1.6402	2036.095	5.088+00
9213	HEAD	97	10	0.3893	9.5219 3.8926	152.534 1270.249	3.412-01 3.178+00
9214 9215	STALK Leaves	97 97	10	0.1452	1.4524	2085.836	5.213+00
9216	HEAD	102	232	0.9047	12.3264	183.504	4.588-01
<u>9217</u> 9218	LEAVES	102	<u>10</u>	0.1086	1.0863	1363.827 2034.972	3.408+00 5.082+00
9219	GRAIN	102	222	0.4549	20.0000	101.602	2.548-01
9220	CHAFF	105	222	0.0426	5.0090	372.320	9.298-01

TABLE A- 93

			PLANI_J:2	TAKE SUMMARY	1 MHEAT		
SOILI	DAKLEY S	SANDY L	DAM	_		MTA LAER_MA	HAER: 93
RADIDNU	CLIDE!	SR- 85			04	TE PLANTED	1 151
INITIAL	\$01L_A	HALLA	10/3/68	11 400-40	0/	TE EMPREED	1 159
				·			
SAMPLE	PLANT	AGE	NUMBER	DRY WEIGHT	COUNTING ORY WEIGHT	SPECIFIC ACTIVITY	UZA
NUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRANS)	(D/S/GM)	
9301	SHOOT	21	40	0.0973	1.8920	1409.475	4.028+00
9302	SEL	41	10	0.5139	5-1390	792.936	1.488+00
9303	LEAVES	<u>41</u> 54	10	Q.1857 0.1929	1.9285	<u>177.593</u> 1254.462	4 <u>-438-01</u> 3-138+00
9305	STALK			0.4544	4.3454	404.744	1.018+00
9304	HEAD	54	10	0.3721	3.7209	251.944	4-348-01
9307	HEAD STALK	70	10 10	0.5574	5.5755	134-028 897.973	<del>2,478-01</del> 2,248+00
1309	LEAVES	70		0.1748	1.7483	1724.491	4.318+00
9310	HEAD	88	10	1.3499	13.4989	132.957	3.328-01
9311	LEAVES	- 44	10	0.2142	2.1624	1806.745	<del>2.968+00</del> 4.528+00
9313	HEAD	97	10		14.2558	129.660	3.248-01
9314	STALK	97	10	0.4774	4.7730	1311.345	3.278+00
- 1115	LEAVES	<u>_97</u>		0.1737		_2233.751_	3-588+00
9316 9317	HEAD Stalk	102	342 10	0.0712	12.8711 	151.060 _1179.281	3.778-01 2.948+00
9318	LEAVES	102	10	0.2027	2.0269	2042-831	5-108+00
9319	GRAIN	102	332	9.4452	20_0000	94-024	2-358-01
9320	CHAFF	102	332	0.0449 TABLE A- 94	5.0000	330.617	<b>8.</b> 25 <b>8-</b> 01
	UNAFF		·	TABLE A- 94	-		E-25E-01
	DAKLEY S		PLANT UP	TABLE A- 94	I HHEAT		
SCILI		SANDY LI	PLANT UP	TABLE A- 94	i WHÉAT		10ER: 94
SGIL: RADIONU	CTIDE:	SR- 85	PLANT UP	TABLE A- 94	i WHÉAT	NTAINER NUI	MBER: 94
SCIL: RADIONU INITIAL	COLL AG	SR- 85	PLANT UP	TABLE A- 94 TAKE SUMMARY	COUNTING	NTAINER NUI TE PLANTED TE EMERGED SPECIFIC	MBER: 94 1.153 1.159
SGIL: RADIONU	CTIDE:	SR- 85	PLANT UP	TABLE A- 94	E WHEAT CO	NTAIMER NUI TE PLANTED TE EMERGED	MBER: 94
SCILE RADIONU INITIAL SAMPLE NUMBER	GAKLEY S GLIDES - SOIL AS PLANT PART	SANDY LE SR- 85 TIVITY AGE (DAYS)	PLANT UP  OAM  (D/S/GM  NUMBER  OF PLANTS	TABLE A- 94  TAKE SUMMARY  1: 400.40  DRY WEIGHT (GM/PLANY)	COUNTING DRY MEIGHT (GRAMS)	NTAINER NUI TE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GM)	MBER: 94 i 153 i 159 - ASU
SCILE RADIGNU INITIAL SAMPLE NUMBER	GAKLEY S GLIDE: SOIL AG PLANT PART	SANDY LESSANDY LESSAN	PLANT UP  LD/S/GM  NUMBER  DF  PLANTS	TABLE A- 94  TAKE SUMMARY  A: 400.40  DRY WEIGHT (GM/PLANT)  0.0856	COUNTING DRY MEIGHT (GRAMS) 3.4224	NTAINER NUI TE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GM)	4BER: 94 i 153 i 159 
SCILE RADIONU INITIAL SAMPLE NUMBER	GAKLEY S GLIDES - SOIL AS PLANT PART	SANDY LE SR- 85 TIVITY AGE (DAYS)	PLANT UP  LOVE SAM  NUMBER  OF PLANTS  40 9	TABLE A- 94  TAKE SUMMARY  1: 400.40  DRY WEIGHT (GM/PLANY)	COUNTING DRY MEIGHT (GRAMS)	NTAINER NUI TE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GM)	MBER: 94 i 153 i 159 - ASU
SCILT RADIGNU INITIAL SAMPLE NUMBER 9401 9402 9403 9404	GAKLEY S GLIDE: SOIL AG PLANT PART SHOOT SEL HEAD LEAVES	AGE (DAYS)  27 41 41 54	PLANT UP  ID/S/GM  NUMBER  OF PLANTS  40 10 9	TABLE A- 94  TAKE SUMMARY  11 400,40  ORY MEIGHT (GM/PLANT)  0.4077 0.1377 0.1726	COUNTING DRY MEIGHT (GRAMS)  3.4224 4.8769 1.2390 1.7262	NTAINER NUI TE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GM) 1651-239 628-334 628-334 1512-450	48ER: 94 i 153 i 159 ASU 4.128+00 2.078+00 5.148-01 3.788+00
SCILE RADIGNU INITIAL SAMPLE NUMBER 9401 9402 9403 9403	GARLEY SOIL AS  PLANT PART  SHOOT SEL HEAD LEAVES STALK	AGE (DAYS)	PLANT UP  OAM  NUMBER OF PLANTS  40 10 9	TABLE A- 94  TAKE SUMMARY  11 490,40  GRY MEIGHT (GM/PLANT)  0.4077 0.1377 0.1377 0.1726 0.4953	COUNTING DRY MEIGHT (GRAMS)  3-424 4-8745 1-2340 1-7262 1-9532	NTAINER NUI TE PLANTED. TE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  1651,239 205,364 205,966 1512-650 491,171	4128+00 2-078+00 5-148-01 3-708+00
SCILT RADIGNU INITIAL SAMPLE NUMBER 9401 9402 9403 9404	GAKLEY S GLIDE: SOIL AG PLANT PART SHOOT SEL HEAD LEAVES	AGE (DAYS)  27 41 41 54	PLANT UP  ID/S/GM  NUMBER  OF PLANTS  40 10 9	TABLE A- 94  TAKE SUMMARY  11 400,40  ORY MEIGHT (GM/PLANT)  0.4077 0.1377 0.1726	COUNTING DRY MEIGHT (GRAMS)  3.4224 4.8763 1.2390 1.7462 4.9532 2.3608 6.8555	NTAINER NUI TE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GM) 1651-239 628-334 628-334 1512-450	48ER: 94 i 153 i 159 ASU 4.128+00 2.078+00 5.148-01 3.788+00
SCILE RADIGNU INITIAL SAMPLE NUMBER  9401 9402 9403 9404 9404 9407 9408	GARLEY SGL AG  PLANT PART  SHOOT SEL HEAD LEAVES HEAD HEAD STALK	AGE (DAYS)  27 41 41 54 54 70	PLANT UP  OAM  ID/S/GM  NUMBER  OF  PLANTS  40  10  9  10  10  10  10	TABLE A- 94  TAKE SUMMARY  11 490,40  ORY MEIGHT (GM/PLANT)  0.4077 0.1377 0.1377 0.1726 0.4953 0.2381 0.4876	COUNTING DRY MEIGHT (GRAMS)  3-424 4-8745 1-2340 1-7262 2-3408 4-8555 4-7705	NTAINER NUI TE PLANTED: TE EMERGED SPECIFIC ACTIVITY (D/S/GM) 1651,239 828,334 205,966 1512,650 421,671 418,695 225,493 861,874	ASU 4.128+00 2.078+00 5.148-01 3.788+00 1.058+00 5.638-01 2.158+00
SCILI RADIONU INITIAL SAMPLE NUMBER 9402 9403 9404 9409 9404 9407 9408 9408 9409	GARLEY S GLIDE: SOIL AG PLANT PART SHOOT SEL HEAD LEAVES HEAD HEAD STALK LFAVES	AGE (DAYS)  27 41 41 54 54 70 70	PLANT UP  ID/S/GM  NUMBER  OF PLANTS  40 10 10 10 10 10 10	TABLE A- 94  TAKE SUMMARY  11 400.40  DRY WEIGHT (GM/PLANT)  0.4077 0.1377 0.1726 0.4953 0.2381 0.4856 0.4771	COUNTING DRY MEIGHT (GRAMS)  3.4224 4.8749 1.2390 1.7242 2.3408 4.8555 4.7705 1.1297	NTAINER NUI TE PLANTED TE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  1651_239 828.334 205.966 151_450 418.495 225.493 861.874	4128+00 2.078+00 5.148-01 3.788+00 1.058+00 2.158+01 2.158+02
SCILE RADIGNU INITIAL SAMPLE NUMBER  9401 9402 9403 9404 9404 9407 9408	CAKLEY S CLIDE: SOIL AS PLANT PART SHOOT SEL LEAVES STALK HEAD HEAD STALK LEAVES HEAD	AGE (DAYS)  27 41 41 54 54 70 70 88	PLANT UP  OAM  ID/S/GM  NUMBER  OF  PLANTS  40  10  9  10  10  10  10	TABLE A- 94  TAKE SUMMARY  J: 400.40  DRY MEIGHT (GM/PLANY)  0.4077 0.1377 0.1726 0.4953 0.2301 0.4856 0.4771 0.1130 0.7005	COUNTING DRY MEIGHT (GRAMS)  3.4224 4.0765 1.2390 1.7262 4.9532 2.3408 6.8555 4.7705 1.1297 7.8852	NTAINER NUI TE PLANTED TE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  1651,239 828.334 205.946 1512.650 491.171 418.495 225.493 861.874 1934.734 176.638	48ER: 94 1.153 1.159 -ASU -ASU -4.128+00 2.078+00 1.238+00 1.238+00 1.058+00 9.638-01 2.158+00 4.418-01
SCIL: RADIONU INITIAL  SAMPLE NUMBER  9401 9402 9403 9404 9404 9407 9406 9407 9410 9411 9412	GAKLEY S GLIDE: SOIL AG PLANT PART SHOOY SEL HEAD LEAVES HEAD HEAD STALK LEAVES LEAVES	AGE (DAYS)  27 41 41 54 54 70 70 70 88 88	PLANT UP  ID/S/GM  NUMBER  GF PLANTS  40 10 10 10 10 10 10 10 10 10 10 10 10 10	TABLE A- 94  TAKE SUMMARY  11 490.40  DRY WEIGHT (GM/PLANT)  0.4876 0.4877 0.1776 0.1726 0.4856 0.4771 0.1130 0.7885 0.3070 0.1124	COUNTING DRY MEIGHT (GRAMS)  3.4224 4.8745 1.2390 1.7262 2.3808 6.8515 4.7705 1.1297 7.8852 3.0700 1.1242	NTAINER NUI TE PLANTED TE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  1651,239 828.334 205.966 151.450 418.695 225.493 861.874 176.638 129.922 2102.163	4128+00 2.078+00 5.148-01 3.788+00 1.058+00 2.158+00 4.418-01 3.238+00 4.418-01 3.238+00 4.418-01 3.238+00
SCILE RADIGNU INITIAL SAMPLE NUMBER 9401 9402 9403 9404 9407 9408 9410 9411 9412 9413	GAKLEY S GLIDE: SOIL AS PLANT PART SHOOT SEL HEAD LEAVES STALK HEAD HEAD STALK HEAD STALK LEAVES HEAD STALK LEAVES	AGE (DAYS)  AGE (DAYS)  27 41 41 54 70 70 88 88 97	PLANT UP  ID/S/GM  NUMBER  OF PLANTS  40 10 9 10 10 10 10 10 10 10 10 10 10 10 10 10	TABLE A- 94  TAKE SUMMARY  J: 400,40  ORY MEIGHT (GM/PLANT)  0.10377 0.1377 0.1726 0.4953 0.2391 0.4856 0.4771 0.1130 0.7005 0.3070 0.1124 0.48324	COUNTING DRY MEIGHT (GRAMS)  3.4224 4.8745 1.2390 1.7242 4.9732 2.3408 4.8555 4.7705 1.1297 7.8852 3.0700 1.1242 8.5245	NTAINER NUI TE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GM) 1651,239 828,334 205,966 1512,450 4914,714 176,638 1273,922 2102,163 179,832	48ER: 94 1.153 1.159 -ASU -ASU -ASU 
SCILI RADIGNU INITIAL SAMPLE NUMBER 9401 9402 9403 9404 9409 9409 9410 9412 9412 9412 9413	GAKLEY SGL AG  PLANT PART  SHOOT SEL HEAD LEAVES STALK LFAYES HEAD STALK LFAYES HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK STALK STALK STALK STALK	AGE (DAYS)  27 41 41 54 54 70 70 70 88 88 97	PLANT UP  OAM  ID/S/GM  NUMBER  OF  PLANTS  40  10  10  10  10  10  10  10  10  10	TABLE A- 94  TAKE SUMMARY  ALL 490,40  GRY MEIGHT (GM/PLANT)  G.0856 G.4077 G.1377 G.1377 G.1726 G.4953 G.2301 G.4871 G.1130 G.7005 G.3070 U.1124 G.8524 G.2998	COUNTING DAY MEIGHT (GRAMS)  3.4224 4.8745 1.2340 1.7242 2.3408 4.8525 4.7705 1.1242 3.0700 1.1242 4.5245 2.9977	NTAINER NUI TE PLANTED. IE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  1651,239 828,334 205,946 1512,650 421,674 418,495 225,493 861,874 176,608 1293,922 2102,163 179,832 1248,694	4.128+00 2.078+00 5.148-01 3.78+00 1.058+00 1.058+00 4.838-01 4.838-00 4.838-00 4.838-00 4.838-00 4.838-00 4.838-00 4.838-00 3.238-00 4.838-00 4.838-00 4.838-00 4.838-00
SCILE RADIGNU INITIAL SAMPLE NURBER 9402 9403 9404 9404 9409 9410 9410 9411 9412 9413 9414 9415	GAKLEY S GLIDE: SOIL AG PLANT PART  SHOOY SEL HEAD LEAVES HEAD HEAD STALK LEAVES	AGE (DAYS)  AGE (DAYS)  27. 41. 41. 54. 54. 70. 70. 70. 70. 70. 70. 70. 70. 70. 70	PLANT UP  LO/S/GM  NUMBER  OF PLANTS  40 10 10 10 10 10 10 10 10 10 10 10 10 10	TABLE A- 94  TAKE SUMMARY  J: 400,40  DRY MEIGHT (GM/PLANT)  0.1026 0.4077 0.1377 0.1726 0.4953 0.2391 0.4856 0.4771 0.1130 0.7005 0.3070 0.1124 0.2998 0.2998 0.21411 0.7519	COUNTING DRY MEIGHT (GRAMS)  3.4224 4.8749 1.2390 1.7242 4.9532 2.3408 6.8555 4.7705 1.1297 7.8852 3.0700 1.1242 6.5245 2.9977 1.4108 9.4073	NTAINER NUI TE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GM) 1651.239 828.334 205.966 1512.450 4914.714 176.638 1273.922 2102.163 179.832 1248.694 2062.462 178.988	4.128-00 2.078-00 3.139-01 2.078-00 3.148-01 3.788-00 4.418-01 3.238-00 4.418-01 3.238-00 5.258-00 5.258-00 5.258-00 5.258-00 4.478-01
SCILI RADIGNU INITIAL SAMPLE NUMBER 9401 9402 9403 9404 9409 9410 9412 9412 9413 9414 9415 9414	GARLEY SGL AG  PLANT PART  SHOOT SEL HEAD LEAVES HEAD STALK	AGE (DAYS)  27 41 41 54 54 70 70 70 88 88 97 97 102	PLANT UP  OAM  NUMBER OF PLANTS  40 10 10 10 10 10 10 10 10 10 10 10 10 10	TABLE A- 94  TAKE SUMMARY  1: 400.40  GRY MEIGHT (GM/PLANT)  G.0856 G.4077 G.1377 G.1726 G.4953 G.2301 G.4856 G.4771 G.1130 G.7005 G.3070 U.1124 G.2990 G.1411 G.7519 G.4297	COUNTING DA  COUNTING DRY MEIGHT (GRAMS)  3-4224 4-8745 1-2340 1-7262 1-9232 2-3408 4-8555 4-7705 1-1242 2-35245 2-977 1-4108 9-4073 4-2273	NTAINER NUI TE PLANTED: TE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  1451,239 828,334 205,946 1512,450 1418,495 841,874 174,698 179,832 1248,694 2042,442 178,988 1201,495	4.128+00 2.078+00 5.148+00 1.238+00 1.058+00 1.058+00 1.058+00 2.158+00 4.418-01 3.238+00 5.258+00 4.418-01 3.128+00 5.158+00 4.478-01 3.128+00 4.478-01 3.128+00
SCILE RADIGNU INITIAL SAMPLE NURBER 9402 9403 9404 9404 9409 9410 9410 9411 9412 9413 9414 9415	GAKLEY S GLIDE: SOIL AG PLANT PART  SHOOY SEL HEAD LEAVES HEAD HEAD STALK LEAVES	AGE (DAYS)  AGE (DAYS)  27. 41. 41. 54. 54. 70. 70. 70. 70. 70. 70. 70. 70. 70. 70	PLANT UP  LO/S/GM  NUMBER  OF PLANTS  40 10 10 10 10 10 10 10 10 10 10 10 10 10	TABLE A- 94  TAKE SUMMARY  J: 400,40  DRY MEIGHT (GM/PLANT)  0.1026 0.4077 0.1377 0.1726 0.4953 0.2391 0.4856 0.4771 0.1130 0.7005 0.3070 0.1124 0.2998 0.2998 0.21411 0.7519	COUNTING DRY MEIGHT (GRAMS)  3.4224 4.8749 1.2390 1.7242 4.9532 2.3408 6.8555 4.7705 1.1297 7.8852 3.0700 1.1242 6.5245 2.9977 1.4108 9.4073	NTAINER NUI TE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GM) 1651.239 828.334 205.966 1512.450 4914.714 176.638 1273.922 2102.163 179.832 1248.694 2062.462 178.988	4.128-00 2.078-00 3.139-01 2.078-00 3.148-01 3.788-00 4.418-01 3.238-00 4.418-01 3.238-00 5.258-00 5.258-00 5.258-00 5.258-00 4.478-01

TABLE A- 95

				<del></del>			
			PLANT UP	TAKE SUNMARY	1. GORN		
SCILI	HANFORD	SANOY	CLAY LOA	M.		MTAINER M	MARI 21
RAQLONU	CLIDE	38- 85				TE PLANTER	1.151
INITIAL	SOIL A	VIIVITA	LD/3/GE	113 446.70		TE ENGRACO	1 141
	** ***		NUMBER	AAN 1.61614	COUNT I NE	SPECIFIC	A 441
SAMPLE Number	PARY	(DAVS)	PLANTS	(GR/PLANT)	(GRANS)	(D/E/GA)	ASU
9501	SHOOT			0.5504	3,3041	1511.442	7.878+00
9502	LEAVES	41	4	3.1154	5.3115	3747.111	4.148+00
9503 9504	LEAVES	- <u>41</u> 54	- <del></del> -	13.6167	13.6187	. 2581.661 1885.964	<del>1.741+00</del>
9505	STALK	_ 94_	<b>i</b> _	4_0144	1.0144	1562.941	3.362+00
9506	LEAVES Stalk	41	1	22.0289 14.7481	4.9489	1383.452 	3.102+00 1.142+00
9508	LEAVES	70	1	15.6195	4.6495	1734.649	3.648+00
9509	TASSEL.	<u>70</u>	<del></del>	<u>14.7500</u> 4.7990	1.7190 4.7190	<u>1204.980</u> 264.080	2.768+00 6.348-01
9511	TASSEL	102	i_	3.9479	1.9479	714,320	1.788190
9512	STALK LEAVES	102	1	30.1317 28.9479	12-4317	417.047 1803.535	1.348+00 4.848+00
9514	HUSK	102	<del></del>	10.0211	10.0211	132.023	2.948-01
9515 9516	KERMEL	102		0.7040 25.0510	<u>0.7049</u> 44.7862	<u>111,271</u> 14,954	<u> </u>
9517	COS	102		1.8111	9.4305	112.042	2.534-0
				TABLE A- 96			
			PLANT UP	TABLE A- 96			
					s corn		
SGILE.		SANDY	ELAY LOA	Take Suynary	s corn	INTAINER NU	MAERI 96
SGILE KADIORU	HANFORO CL 10E:	SANDY SR- 85	ETAX TO	Take Suynary	CORN CO	MTAINER NU	MRER: _94 ;_153 _
SGILE KADIORU	HANFORO CL 10E:	SANDY SR- 85	TON EN ET ET ET	Take Surhary	CORN CO	MIAINER NU TE PLANTED TE EMERGED	MRER: _94 ;_153 _
GILI GADIORU INITIAL	HANEGRO GLIDE: SOIL AG	SANDY 1	LOZSZGH	TAKE SUNHARY  M  1): 446-70  DRY MEIGHT	COUNTING GRY MEIGHT	MIAINER NU IL PLANTED IL ENERGED SPECIFIC ACTIVITY	MRER: _94 ;_153 _
GILI GADIORU INITIAL	HANFORO CLIDE: SOLL AC	SANDY 1	LOZSZGH	TAKE SUMMARY	COUNTING	MTAINER NUITE PLANTER TE ENERGED SPECIFIC	MBERI 96
SAMPLE NUMBER	HANFORD CLIDE: SOLL AS PLANT FART	SANDY SR- 49 TIVITY AGE (DAYS)	LQZSZGM NUMBER OF PLANTS	DRY MEIGHT	COUNTING GRY MEIGHT (GRANS)	MIAINER NUITE PLANTED TE PLANTED SPECIFIC ACTIVITY (D/S/GN)	HRER: 34 ; 193 ; 161 
SETLE  KADIORU  INITIAL  SAHPLE  NUMBER  1401  7402	HANFORG GLIDE: SOLL AG PLANT PART SHOOY LEAVES	SANDY IS SECTIVITY  AGE (DAYS)	LOZSZGH NUMBER OF PLANTS	DRY MEIGHT (GM/PLANT)	COUNTING ORY MEIGHT (GRANS)	MIAINER NUITE PLANTED TE PLANTED SPECIFIC ACTIVITY (D/3/GN) 3910.049 2643.740	MAER: 34 ; 193 ; 161 ASU A.758+06 9.928+00
SAMPLE NUMBER 9402 9403	HANFORD CLIDE: SOLL AS PLANT FART	SANDY SR- 49 TIVITY AGE (DAYS)	LOZSZGH NUMBER OF PLANTS	DRY MEIGHT (GR/PLANT)  0.4304 4.0030 1.2848 15.0974	COUNTING GRY MRIGHT (GRAMS)  4.9944 4.9416 7.9470 13.0994	TE PLANTED TE PLANTED TE PLANTED SPECIFIC ACTIVITY (D/S/GN) 3910.049 2645.760 2972.714	##ER: 34 ; 193 ; 161 
SETLE SEPLEMENT SAMPLE	HANFORG CLIDE: SOLL AC PLANT PART SHOOY LEAVES STALK LEAVES	SANDY   SR- #2   TIVITY   AGE (DAYS)   27   41   42   54   54	LOZSZGH NUMBER OF PLANTS	D: 446-70  ORY MEIGHT  (GM/PLANT)  0-4304 4-0030 1-8448 15-09/4 9-0836	COUNTING ORY MEIGHT (GRANS)  4.9944 4.5818 7.9470 19.0994 9.0834	SPECIFIC ACTIVITY (D/3/GN) 3910.049 2649.740 2472.714 1900.953 1540.412	######################################
SAMPLE NUMBER 9402 9403	HANFORO GLIDE: SOLL AS PLANT PART  SHOOY LEAVES STALK LEAVES STALK LEAVES STALK STALK	SANDY I SR- 89 TIVITY AGE (DAYS) 27 41 41 54	LOZSZGH NUMBER OF PLANTS	DRY MEIGHT (GR/PLANT)  0.4304 4.0030 1.2848 15.0974	COUNTING GRY MRIGHT (GRAMS)  4.9944 4.9416 7.9470	TE PLANTED TE PLANTED TE PLANTED SPECIFIC ACTIVITY (D/S/GN) 3910.049 2645.760 2972.714	##ER: 34 ; 193 ; 161 
SETTE SAPPLE SAP	HANFORG GLIDE: SOLL AS PLANT PART SMOOY LEAVES STALK LEAVES STALK LEAVES STALK LEAVES	SANDY   SR- #2   TIVITY   AGE (DAYS)   27   41   42   54   61   61   70   70	LQZS/GH NUMBER OF PLANTS	DRY MEIGHT (GR/PLANT)	COUNTING GRY MRIGHT (GRANS)  4.994 4.9818 7.9470 15.0494 9.0834 3.9831 7.9385 4.8860	TE PLANTED TE PLANTED TE PLANTED TE EMERGED  SPECIFIC ACTIVITY (D/3/GN)  31(0.049 2649.760 2172.714 1980.953 1580.412 1774.751 1425.143 1434.109	ASU  ASU  ASU  ASU  ASU  ASU  A.75#+06  5.928+06  3.75#+08  3.48+06  3.48+06  3.218+06
SAHPLE NUMBER 9602 9602 9604 9605 9606 9607 9608	PLANT PART  SHOOY LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES	SANDY   SR- #2   TIVITY   AGE (DAYS)   27   41   41   54   61   61   61   70   70	LQZS/GR NUMBER OF PLANTS	ORY WEIGHT (GM/PLANT)  Q.4304 4.0030 1.9848 15.09/4 9.0836 12.6331 7.9345 19.9860 21.9270	COUNTING ORY MRIGHT (GRAMS)  4.9944 4.9816 7.9470 15.0994 3.9831 7.9385 4.8860 9.2770	TE PLANTED TE PLANTED TE PRESED  SPECIFIC ACTIVITY (D/3/GN)  3910.049 2643.760 2972.714 1980.951 1980.951 1776.751 1425.143 1434.199 9514539	ASU  ASU  ASU  A.758+00  5.928+00  5.768+80  4.438+00  3.543+00  3.438+00  3.218+00  2.138+00
SETTE SAPPLE SAP	PLANT PART  SHOOY LEAVES STALK LEAVES STALK LEAVES STALK TASSEL TASSEL TASSEL	SANDY   SR- #2   TIVITY   AGE (DAYS)   27   41   42   54   61   61   70   70   70   102   102	LOZS/GR NUMBER OF PLANTS	DRY MEIGHT (GR/PLANT)  0.4304 4.0030 1.9848 15.0944 9.0836 12.6331 7.9845 15.9840 21.9270 4.7540 3.0220	COUNTING GRY MRIGHT (GRAMS)  4.944 4.5818 7.9470 13.0994 9.0834 3.9831 7.9385 4.8860 9.2770 4.7940 3.9220	TE PLANTED TE PLANTED TE EMERGED  SPECIFIC ACTIVITY (D/3/GN)  310.049 2645.760 2472.714 1880.953 1580.412 1776.751 1425.143 1434.199 951.539 333.578 1117.506	ASU  ASU  ASU  ASU  ASU  ASU  A-758+00  5-748+00  3-748+00  3-548+00  3-648+00  3-2138+00  7-478-01  7-578-00
SAHPLE NUMBER 9402 9402 9403 9404 9409 9410 9411 9412	HANFORO GLIDE: SOIL AC PLANT FART  SHOOY LEAVES STALK LEAVES STALK LEAVES STALK TASSEL TASSEL TASSEL STALK	SANDY   SR- #2   TIVITY   AGE (DAYS)   27   41   41   54   61   61   70   70   102   102	LQZS/GR NUMBER OF PLANTS	DRY MEIGHT (GM/PLANT)  Q.4304 4.0030 1.9444 12.0331 7.9340 21.9270 4.7540 3.0220 24.8922	COUNTING GRY MEIGHT (GRAMS)  4.9944 4.5818 7.9470 19.0934 9.0931 7.9385 4.8860 9.2770 4.7540 19.0220 14.0822	TE PLANTED TE PLANTED TE PLANTED TE PLANTED TE PLANTED TO SPECIFIC ACTIVITY (D/S/GN)  3910.049 2649.740 2472.714 1980.953 1580.412 1774.751 1425.143 1434.199 951.539 333.578 1117.506 584.822	######################################
SAMPLE NUMBER 9602 9603 9609 9609 9610 9612 9613 9612 9613	PLANT PART  SHOOY LEAVES STALK LEAVES STALK LEAVES STALK TASSEL TASSEL STALK LEAVES HUSK HUSK	SANDY   SR- #2   TIVITY   AGE (DAYS)   27   41   42   54   61   61   70   70   102	LOZS/GR NUMBER OF PLANTS	DRY MEIGHT (GR/PLANT)  0.4304 4.0030 1.9848 12.0334 12.0335 12.0335 12.030 21.9270 24.020 24.020 24.022	COUNTING GRY MRIGHT (GRANS)  4.994 4.9818 7.9470 15.0994 9.0834 3.9835 4.8860 9.2770 4.7940 3.920 14.0422 4.4310 9.5272	TE PLANTED TE PLANTED TE PLANTED TE EMERGED  SPECIFIC ACTIVITY (D/3/GN)  310.049 2643.740 2972.714 1980.953 1580.412 1774.751 1425.143 1434.199 951.559 117.506 584.822 2187.188	######################################
SAHPLE NUMBER 9403 9404 9409 9409 9409 9410 9411 9413	HANFORO CLIDE: SOLL AC PLANT PART  SHOOY LEAVES STALK LEAVES LEAVES LEAVES LEAVES LEAVES LEAVES LEAVES LEAVES LEAVES	SANDY   SR- #2 TIVITY  AGE (DAYS)  27 41 42 54 61 70 70 102 102	LOVS/GR	DRY MELGHY IGM/PLANY)  Q.4304 4.0030 1.9848 15.09/4 12.6331 7.9345 15.9840 21.9270 4.7540 3.0220 24.8922 24.8121	COUNTING GRY MRIGHT (GRAMS)  4.9944 4.9816 7.9470 15.0994 9.0836 9.2770 4.7940 3.0220 14.0422 8.4310	TE PLANTED TE PLANTED TE PLANTED TE EMERGED  SPECIFIC ACTIVITY (D/S/GN)  3910.049 2643.760 2572.714 1980.953 1580.412 1774.751 1425.143 1434.199 951.539 333.578 1117.506 584.822 2187.188	ASU  ASU  ASU  ASU  ASU  ASU  ASU  ASU

TABLE A- 91

	····		PLANT UP	TAKE SUMMARY	: CORN		
30111	HANPURU	SAMDY	ELAY LUA	а		MIAINER MU	MEREL 91
RADIONU	CL IOE:	SR- 45	., ,		0/	TE PLANTED	1 151
INTTIAL	SOIL A	CTIVITY	(0/5/68	Ui 444.70	D4	TE EMERGED	1 141
			-				
			NUMBER		COUNT ING	SPECIFIC	
NUMBER	PART	(DAYS)	PLANTS	(SM/PLANT)	(GRAMS)	(D/S/GA)	<u>ura</u>
4701	SHOOT	21	. 10_	0.5169	5-1494	1015-116	7-498+00
9702	LEAVES	41	10	1.0914	4.4142	2710.084	4-078+00
9703	STALK LEAVES	<u>41</u>	<del>-</del>	1.2450 17.7743	3.0400 17.7743	2301.782 1071.716	<u> </u>
9705	STALK	54	1	10.9539	50.9339	1479-443	3.338+00
9706 9707	LEAVES	41 41	1	14.4107	10-6678	1037.744	2.328+00 2.118+00
9708	LEAVES	70	1	16.6515	4.1515	1543.194	3.458+00
9709 9710	TASSEL	- <u>70</u> 70	1	21 <u>.0225</u> 6.1185	10.7725 0.1165	295.428	<del>2.458+00</del>
1711	TASSEL	102	i_	4.5245	4.5245	973.321	2.188+00
9712	STALK	102	1	33-1500	5.3600	525.749	1.168+00
9713 9714	HUSK	102	<del>- 1</del>	38 <u>41934</u> 10.8465	10.8465	2223.590 174.842	4.982+00 3.918-01
9715	SILK	102		0.8899	0.8899	169.359	
9716 9717	KERNEL COB	102 102	6	19.4858	50.0548 13.8831	16.327 67.989	3.450-02 1.578-02
				TABLE A- 90			
SOLL	HANFCRO		PLANT UP	TABLE A- 98	2 CORN		
		LOAN +	PLANT UP	TABLE A- 98	: CORN	ONTAINER NU	MAER: 9
RADIONU	CL IDE:	LOAM + SR 85	PLANT UP	TABLE A- 98 Take Summary	CORN CC	OMTAINER NU	MBER: 91
RADIONU	CL IDE:	LOAM + SR 85	PLANT UP	TABLE A- 98	CORN CC	OMTAINER NU	MBER: 91
RADIONU INITIAL	CLIDE:	LOAM + SR- 45 CTIVITY	PARNT UP  300R CA  10/S/GH	TABLE A- 98 PTAKE SUMMARY LCIUM	COUNTING	OMTAINER NU ATE PLANTED ATE EMERGED SPECIFIC	MAER: 9/ 2 136
RADIONU INITIAL SAMPLE	CLIDE: SGIL A	LOAM + SR- 45 CTIVITY AGE	PLANT UP  300% CA  (C/S/GM  NUMBER  OF	TABLE A- 90 TAKE SUMMARY LCIUM  11: 307.40  DRY MEJGHT	COUNTING DRY MEIGHT	OMTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY	MBER: 91
RADIONU INITIAL	CLIDE:	LOAM + SR- 45 CTIVITY AGE	PARNT UP  300R CA  10/S/GH	TABLE A- 98 PTAKE SUMMARY LCIUM	COUNTING	OMTAINER NU ATE PLANTED ATE EMERGED SPECIFIC	MAER: 9/ 2 136
RADIONU INITIAL SAMPLE	CLIDE: SGIL A	LOAM + SR- #5 CTIVITY  AGE (DAYS)	PLANT UP  300% CA  (C/S/GM  NUMBER  OF	TABLE A- 90 TAKE SUMMARY LCIUM  11: 307.40  DRY MEJGHT	COUNTING DRY MEIGHT (GRAMS)	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/GM)	MBER: 91 3 156 3 161 ASU
RADIONU INITIAL SAMPLE NUMBER 9801 9802	SCIL A	LOAM + SR- 45 CTIVITY  AGE (DAYS) 30 30	PACHT UP  300R CA  (C/S/GH  NUMBER  OF FLANTS	TABLE A- 98 PTAKE SUMMARY LCIUM  DRY MEIGHT (GM/PLANT)  G-9922 0-3920	COUNTING ORY MEIGHT (GRAMS)	OMTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/GM)	MBER: 9/ 2 156 1 161 ASU 5-038+0/ 4-448+00
SAMPLE NUMBER 9801 9803	SCIL A	LOAM + SR- 45 CTIVITY AGE (DAYS)	JON CA	TABLE A- 98 PTAKE SUMMARY  LILLIUM  DRY MEJGHT (GN/PLANT)  0.9922 0.3560	COUNTING DRY MEIGHT (GRAMS)  9.9215 3.5201 5.1325	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/GM) 1346-871 1346-873	MBER: 9/ 1 156 1 161 ASU 5-032+00 4-049+00 4-103+00
SAMPLE NUMBER 9801 9802 9803 9804 9805	PLANT PART  LEAVES STALK LEAVES STALK LEAVES	SR- 45 CTIVITY  AGE (DAYS) 30 30 43 43 51	PLENT UP  300% CA  (C/S/GM  NUMBER  QF  FLANTS  10  10  6	TABLE A- 98  PTAKE SUMMARY  LCIUM  LCIUM  LRY MEIGHT  (GN/PLANT)  G_9922 0-3980 4-1356 2-0577 13-2498	COUNTING DRY MEIGHT (GRAMS)  9.9215 3.5201 5.1335 12.3465 13.2258	SPECIFIC ACTIVITY (D/S/GM)  1546.871 1346.046 1262.375 1027.755	MBER: 9/ 2 156 2 161 4 161 4 448+00 4 102+00 3 3 48+00
RADIGNU INITIAL SAMPLE NUMBER 9801 9802 9803 9804 9805 9806	PLANT PART  LEAYES STALK LEAYES STALK LEAYES STALK STALK STALK	LOAM +  SR- 45 CTIVITY  AGE (DAYS)  30 43 43 51	JON CA	TABLE A- 98 PTAKE SUMMARY  LCIUM  DRY MEJGHT (GN/PLANT)	COUNTING DRY MEIGHT (GRAMS)  9.9215 3.9201 9.1335 12.3465 13.2458 7.2194	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/UM) 1340-071 1340-071 1262-379 1027-755 1051-284 814-2:	MBER: 9/ 1 156 1 161 ASU 5-032+00 4-049+00 4-103+00 3-3428+00 3-428+00 2-453+00
SAMPLE NUMBER 9801 9802 9803 9804 9805	PLANT PART  LEAVES STALK LEAVES STALK LEAVES	SR- 45 CTIVITY  AGE (DAYS) 30 30 43 43 51	PLENT UP  300% CA  (C/S/GM  NUMBER  QF  FLANTS  10  10  6	TABLE A- 98  PTAKE SUMMARY  LCIUM  LCIUM  LRY MEIGHT  (GN/PLANT)  G_9922 0-3980 4-1356 2-0577 13-2498	COUNTING DRY MEIGHT (GRAMS)  9.9215 3.5201 5.1335 12.3465 13.2258	SPECIFIC ACTIVITY (D/S/GM)  1546.871 1346.046 1262.375 1027.755	MBER: 91 2 156 2 161  ASU 5 038+00 4 448+00 3 348+00 3 348+00 2 458+00 2 458+00
RADIGNU INITIAL SAMPLE NUMBER 9802 9803 9804 9804 9804 9809 9808	CLIDE: SCIL A  PLANT PART  LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES LEAVES	LOAM +  SR- 45 CTIVITY  AGE (DAYS)  30 43 43 51 51 58 67	PACHT UP  3008 CA  LC/S/GH  NUMBER  OF FLANTS  10 6 1 1	TABLE A- 98  TAKE SUMMARY  LCIUK  DRY MEJGHT (GN/PLANT)	COUNTING DRY MEIGHT (GRAMS)  9.9215 3.9201 5.1335 12.3465 13.2463 7.2194 3.6413 6.5579 5.11980	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/UM) 1346.074 1262.379 1027.755 1051.284 814.2: 911.554 688.302 829.026	### ### ### ### ### #### #############
RADIGNU INITIAL SAMPLE NUMBER 9802 9804 9804 9807 9808 9808 9810	GLIDE: SGIL AI PLANT PART  LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK	AGE (DAYS)  30 30 43 43 51 58 67	PLENT UP  300% CA  (C/S/GM  NUMBER  QF  FLANTS  10  10  1	TABLE A- 98  TAKE SUMMARY  LCIUM  DRY MEIGHT (GN/PLANT)  0.9922 0.3980 4.1354 2.0577 13.2698 7.2174 21.3613 14.1079 17.1680 29.6645	COUNTING ORY MEIGHT (GRAMS)  9,9215 3,5201 5,1335 12,3465 13,2658 7,2194 3,6613 6,5379 5,1980 11,4945	OMTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/GM) 1346.046 1262.375 1027.795 1031.284 814-2. 911.554 688.302 829.026 420.625	MBER: 9/ 2 156 2 161 ASU 5 032+01 4 48+00 4 102+01 3 342+01 2 452+01 2 762+01 1 378+01 1 378+01
RADIGNU INITIAL SAMPLE NUMBER 9801 9802 9803 9804 9804 9806 9810 9810 9811	CLIDE: SCIL AI PLANT PART  LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES TASSEL TASSEL	LOAM +  SR- 45 CTIVITY  AGE (DAYS)  30 43 43 51 51 58 67 67 67 67	PACHT UP  3008 CA  LC/S/GH  NUMBER  OF FLANTS  10 6 1 1	TABLE A- 98  TAKE SUMMARY  LCIUM  DRY MELGHT (GM/PLANT)  G.9922 0.3520 4.1356 2.0577 13.2658 7.2174 21.3613 14.1079 17.1080 29.6645 9.9845 3.2055	COUNTING DRY MEIGHT (GRAMS)  3.5201 5.1335 12.3465 13.2658 7.2194 3.6413 4.5579 5.1980 11.4945 3.2055	SPECIFIC ACTIVITY (D/S/GM)  1546.871 1346.046 1262.379 1027.759 1051.284 814.2: 911.554 686.302 829.026 420.425 176.235 352.160	### ### ### ### ### ### #### #### ######
RADIGNU INITIAL SAMPLE NUMBER 9803 9804 9807 9808 9810 9810 9812 9813	GLIDE: SGIL AI PLANT PART  LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK TASSES TASSES TASSES	AGE (DAYS)  30 43 43 51 51 58 67 67	PLENT UP  300% CA  (E/S/GM  NUMBER  OF FLANTS  10 11 11 11 11 11 11 11 11 11 11 11 11	TABLE A- 98  TAKE SUHHARY  LCIUM  DRY MEIGHT (GN/PLANY)  0.9922 0.3580 4.1354 2.0577 13.2698 7.2174 21.3613 14.1079 17.1680 29.6645 9.9845 3.2055 27.7018	COUNTING ORY MEIGHT (GRAMS)  9,9215 3,5201 5,1335 12,3465 13,2658 7,2194 3,6413 6,5379 5,1190 11,4945 9,9845 3,2055 11,33118	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/GM) 1346.871 1346.046 1262.375 1027.755 1031.284 814.2. 911.549 688.302 829.026 420.425 176.235 352.160 343.370	MBER: 9/ 2 156 2 161 ASU 5-032+00 4-049+00 4-102+00 3-3428+00 2-458+00 2-458+00 2-758+00 1-378+00 5-772-01 1-148+00 1-128+00
RADIGNU INITIAL SAMPLE NUMBER 9801 9802 9803 9804 9804 9806 9810 9810 9811	CLIDE: SCIL AI PLANT PART  LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES TASSEL TASSEL	LOAM +  SR- 45 CTIVITY  AGE (DAYS)  30 43 43 51 51 58 67 67 67 67	PLENT UP  300R CA  (C/S/GM  NUMBER  QF  FLANTS  10  10  1  1  1	TABLE A- 98  TAKE SUMMARY  LCIUM  DRY MELGHT (GM/PLANT)  G.9922 0.3520 4.1356 2.0577 13.2658 7.2174 21.3613 14.1079 17.1080 29.6645 9.9845 3.2055	COUNTING DRY MEIGHT (GRAMS)  3.5201 5.1335 12.3465 13.2658 7.2194 3.6413 4.5579 5.1980 11.4945 3.2055	SPECIFIC ACTIVITY (D/S/GM)  1546.871 1346.046 1262.379 1027.759 1051.284 814.2: 911.554 686.302 829.026 420.425 176.235 352.160	#BER: 9/ 2 156 2 156 2 161 ASU 5 632+00 4 448+00 4 102+00 3 348+00 2 2 458+00 2 762+00 2 762+00 1 3 732+00 1 148+00 3 178+00 3 178+00 3 178+00
RADIGNU INITIAL SAMPLE NUMBER 9801 9802 9803 9804 9805 9806 9810 9811 9812 9813	CLIDE: SGIL AI PLANT PART LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES TASSEL TASSEL LEAVES LEAVES	AGE (DAYS)  30 30 43 51 51 67 67 99 49	PLENT UP  300% CA  (C/S/GM  NUMBER  OF FLANTS  10 11 11 11 11 11 11 11 11 11 11 11 11	TABLE A- 98  PTAKE SUMMARY  PLCIUM  DRY MEIGHT  (GN/PLANT)  0.9922 0.3920 4.1356 2.0577 13.2698 7.2174 21.3613 14.1079 17.1680 2.9645 3.2055 2.77018 30.0062	COUNTING DY MEIGHT (GRAMS)  9,9215 3,5201 5,1335 12,3465 13,2638 7,2194 3,6413 6,5579 5,1980 11,4945 9,9845 3,2055 11,3118 9,22562	SPECIFIC ACTIVITY (D/S/GM) 1346.871 1346.046 1202.379 1027.795 1021.284 814.2. 911.554 688.302 829.026 420.425 176.235 352.160 345.370 973.402	MAER: 91 2 136 3 161

				TABLE A. VI	·		
			PLANT UP	TAKE SUMMARY	1 CORN		
SCILE	MANFORD	LGAN +	508 CA	TC100		niainia iš	
RADIONU	CLIDEL	18- 15			04	TE PLANTED	1.154
INITIAL	SOIL A	CTIVITY	10/3/6H	307-40	0	TE BMERGED	1.100
			NUMBER		COUNTING	SPECIFIC	
SAMPLE NUMBER	PARY	(DAYS)	PLANTS	GM/PLANT)	ORY MEIGHT (GRAMS)	(D/S/GH)	ASU
						<del></del>	
9901	LEAVES	-30	10	1-1112	11-1317	1393-009	4-408+00
9902	STALK	30 43		0.3909 1.2414	3.9047 	787.347	2-568+00
9904	STALK Leaves	43 51	1	10:6119	14-4714	1110.150	3.418+00 2.228+00
9906	STALK	51	1	4.0739	4.0739	488.043	2.248+00
9907	LEAVES STALK	58	1	19.0498 13.4966	3.799A 7.3266	444.401 639.348	2.088+00
9909	LEAVES	_47_		14.2315	5.1835	795.216	2.448+00
9910	STALK TASSEL	47 47	1	22.4460	9.2660 <u>4.7679</u>	514.566 104.284	1-478+00
9912	TASSEL	99	ļ	3.4445	3.4845	486.894	1.582+00
9913	<u>STALK</u> LEAVES	99	<del></del>	10.4027 25.1328	7.6428	<u> 243.085</u> 199.629	3,253+00
1915	HUSK	99	<del>-</del>	11.8173	11-6173	******	2,008-01
9914	SILK KE <b>rne</b> l	77	1	1-0267	1-0267 	61.410 	2.907-02
9918	COS	99	6	8.7907	10.1742	51-136	1.668-01
			PLANT UP	TAKE SUNMARY	13 <u>iN</u>		
SCILE	HANFORD	LOAM +	1001 C	LCIUR		NTAINER NU	MBER: 100
RADIONU	CLIDE	SR- 45			0	TE PLANTED	1.154
INITIAL	SOLLA	CITATIA	ID/\$/\$P	11 107.60	0	TR EMERGED	: 166
			NUMBER		COUNTING	SPECIFIC	
SAPPLE	PLANT	AGE	OF	DRY WEIGHT	DRY HEIGHT	ACTIVITY	ASU
NUMBER	PART	(CAYS)	PLANTS	(GR/PLANT)	(GRAMS)	(D/S/GM)	
10001	LEAVES	30	10	1-0325	10.1249	1572-010	5.118+00
10002	STALK	30	10	0.3828	3.8284	1395.389	4.548+00
10003	LEAVES	^ <del>1</del>		7.7805	9.6110	1310.038 1130.294	4.268+00 3.478+00
10004 10005	STALK LEAVES	- 31	i_	11.0505	11-0505	902.490	2.938+99
10004	STALK LEAVES	51 54	1	7.0876	7.0878 3.4262	748.835	2.438+00
10007	STALK	58	<del></del>	24.2285	7.2285	816.876	2.448+00
10009	LEAVES	67	1	12.7300	4.2800 8.4005	<u>067.657</u> 635.684	2.078+00
10011	STALK TASSEL	67	1	5.0166	5.0866	127.590	4-158-01
10012	TASSEL	99	1	2.6943	2.4970 22.4943	530,576 344,606	1.758+00
10014	LEAVES		<del> i</del>	21.3893	7.2593	1023.478	3.338+00
10015	HUSK Silk	99	<u>_</u>	0.7209	0.7209	51.606 87.749	1.683-01 2.858-01
10017	KERNEL	99		17,1190	36.4341	10-645	3.468-02
10016	COB	99	6	1.4375	7.9850	48.852	1.594-01

TABLE 4-101

			LANT UP	TAKE SUMMARY	: CORH	· · · · · · · · · · · · · · · · · · ·	
SOILI	HAMFORD	LOAM +	ROOK CA	LCIM		NTAINER NU	19ER1_101
RADIONU	CLIDEL	11- 15				TE PLANTED	
INITIAL	SOIL A	TIVITY	ID/\$/GH	1: 307-40	DA	IE EHERGED	1146
			MUMBER		COUNTING	SPECIFIC	
NUMBER NUMBER	PART PART	IDAYS)	PLANTS	(GR/PLANT)	(GRANS)	(D/S/GH)	ASU
10101	LEAVES		<u> 10</u>	0.9892	2-4214	1441.914	4.498+00
10102	STALK LEAVES	30 43	10	0.3050 4.8317	3.0498	1397.187	4.548+00 1.548+00
10104	STALK	43		2-2255	8.9018	1047.375	3.548+00
10105	STALK	<u>51</u>	<del>-                                    </del>	10-4147 5-9080	10-4347 5.9080	1010,114	<u>3.518900</u> 3.208+80
10107	LEAVES	55		21.6574	4.9774	477.747	2.858100
10108	STALK	50	1	15.1901	4.5701	781.744	2-548+00
10110	<u>LEAVES</u> STALK	67		22.7065	4.2340 9.2865	489.120	2.828+00 1.558+00
10111	TASSEL	47		8.3005	1,3005	117,259	1.613-01
10112	TASSEL STALK	99	1	2.9970 20.0149	2.9970 20.0169	434.110 	1.426*00 4.433=01
10114	LEAVES	99	1	26.8945	5.5145	1163.631	3.768+00
16112	HISK	- 11	$\frac{1}{1}$	<u>4.7214</u>	4.7216	<u>40.529</u> 52.293	1.708-01
10114	SILK			0.9137 	0.9137 32.4981	1.444	2.748-02
10114	COB	74	4	4.0279	4.8976	82.884	2.698-01
				TABLE A-102			
			PLANT UP		: CORN		
\$011.1	DAKLEY			TAKE SUMMARY			
	OAKLEY	SANDY L	DAM	TAKE SUMMARY	: CORN		MBER: 102
RADIONU	CLIDE:	SANDY L	QAM	TAKE SUMMARY	CORN CO	INTAINER NU	MBER: 102
RADIGNU	SOIL A	SANDY L	OAM (D/S/GM NUMBER	TAKE SUMMARY	COUNTING	INTAINER NUI ITE PLANTED ITE EHERGED	MBER: 102 : 153 : 166
RADIONU	CLIDE:	SANDY L	OAM (D/S/GM NUMBER OF	TAKE SUMMARY	CORN CO DA	INTAINER NU ITE PLANTED ITE EMERGED	MBER: 102
RADIGNU INITIAL SAMPLE NUMBER	SOIL A	SANDY L	OAM (D/S/GM NUMBER OF	DRY WEIGHT	CORN CO DA COUNTING DRY MEIGHT (GRAMS)	NTAINER NUI TE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GM)	MBER: 102 : 193 : 166
SAMPLE NUMBER	PLANT PART SHOCT LEAVES	SANDY LI SR- 05 CILVITY AGE (DAYS)	OAM  (D/S/GR  NUMBER  OF  PLANTS	DRY WEIGHT (GM/PLANT)	COUNTING DRY MEIGHT (GRAMS)	INTAINER NUITE PLANTED TE ENERGED SPECIFIC ACTIVITY (D/S/GM) 3343.062 2477.807	MSER: 102 : 153 : 164 ASU 4.358+00
SAMPLE NUMBER 10201 10202 10203	PLANT PART  SHOCT LEAVES STALK	SANDY L.  SR- 85  CTIVITY  AGE (DAYS)  27 41	OAM  ID/S/GM  NUMBER  OF  PLANTS  10  2	DRY MEIGHT 1GM/PLANT)  0.7779 0.8371 4.7442	COUNTING DRY MEIGHT (GRAMS)  7.7794 4.0942 9.4883	SPECIFIC ACTIVITY (D/S/GM)  3343.082 2477.807	MBER: 102 : 153 : 166 ASU ASU 4.358+00 6.688+00
SAMPLE NUMBER	PLANT PART SHOCT LEAVES	SANDY LI SR- 05 CILVITY AGE (DAYS)	OAM  (D/S/GR  NUMBER  OF  PLANTS	DRY WEIGHT (GM/PLANT)	COUNTING DRY MEIGHT (GRAMS)	INTAINER NUITE PLANTED TE ENERGED SPECIFIC ACTIVITY (D/S/GM) 3343.062 2477.807	MSER: 102 : 153 : 164 ASU 4.358+00
SAMPLE NUMBER 10201 10202 10203 10204 10205	PLANT PART  SMOCT LEAVES STALM LEAVES STALM LEAVES	\$ANDY L \$R- 85 GIIVIIY AGE (DAYS) 27 41 41 41 54 61	OAM  ID/S/GM  NUMBER  OF  PLANTS  16  2  1	DRY MEIGHT (GM/PLANT)  0.7779  0.8371 4.7942 14.6848 9.3673 21.7326	COUNTING DRY MEIGHT (GRAMS)  7,7794 4,0942 9,493 14,4848 8,3673 5,1326	SPECIFIC ACTIVITY (D/S/GM) 3343.082 2477.807 2729.691 2164.524 2084.292 2327.699	#8ER: 102 : 153 : 166 ASU ASU 6.482+00 6.812+00 5.402+00 6.312+00
SAMPLE NUMBER 10201 10202 10203 10204	PLANT PART  SHOCT LEAVES STALK STALK	SANDY L SR- 05 CTIVITY AGE (DAYE) 27 41 41 41 41	OAM  ID/S/GM  NUMBER  OF  PLANTS  16  2  1	DRY WEIGHT (GM/PLANT)  0.7779  0.8371  1.7440  4.3473	COUNTING DRY MEIGHT (GRANS)  7,7794 4,0942 9,4883 14,4848 8,3873	SPECIFIC ACTIVITY (D/S/GM)  3343.082 2477.807 2729.611 2164.524 2084.292	#8ER: 102 : 153 : 166 - ASU - ASU - 4.358+00 6.402+00 6.402+00 5.402+00
RADIGNU INITIAL SAMPLE NUMBER 10202 10204 10204 10205 10206 10206 10207 10208	PLANT PART  SHOCT LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES	\$R- 05 \$IVITY  AGE (DAYS)  27 41 41 94 91 91 91 91 91 91	NUMBER OF PLANTS	DRY WEIGHT (GM/PLANT)  0.7779 0.8371 4.7442 14.6840 9.3673 21.7326 19.6733 7.4394 21.5522	COUNTING DAY MEIGHT (GRAMS)  7.7794 4.0942 9.4883 14.4848 8.3473 5.1326 7.5353 7.4374 2.3322	SPECIFIC ACTIVITY (D/S/GM) 3343.082 2677.807 2729.691 2164.524 2084.524 2084.524 2084.524 2084.524 2084.524 2084.524 2084.524 2084.524	#8ER: 102 : 153 : 164 ASU #.358+00 6.683+00 9.408+00 6.318+00 9.408+00 9.738-01 9.488+00
RADIGNU INITIAL SAMPLE NUMBER 10201 10202 10204 10206 10206 10206 10208 10208	PLANT PART  SMCT LEAVES STALM LEAVES STALM TASSEL LEAVES STALK TASSEL	\$R- 05 \$IR- 05 \$IVITY AGE (DAYS) 27 41 41 41 94 94 94 91 61 70	OAM  ID/S/GM  NUMBER OF  PLANTS  16  2 2 1 1	DRY MEIGHT (GM/PLANT) 0,7779 8.8371 4.7442 14.6848 9.3673 7.4394 21.5522 23.3360	COUNTING DRY MEIGHT (GRAMS)  7-7794 4-0942 9-4883 14-6848 8-3673 7-4374 5-3522 8-8860	SPECIFIC ACTIVITY (D/S/GM)  3343.082 2647.807 2729.691 2164.524 2084.292 2527.699 1389.210 389.748 1196.919	######################################
RADIGNU INITIAL SAMPLE NUMBER 10202 10203 10204 10205 10206 10206 10209 10210 10211 10212	PLANT PART  SHOCT LEAVES STALK LEAVES STALM LEALES STALM LEALES STALM LEALES STALM LEAVES STALM LEAVES STALM LEAVES TASSEL LEAVES TASSEL TASSEL TASSEL	\$ANDY L \$R- 85 \$CIVILY AGE (DAYS) 27 41 41 94 61 61 70 70 102	NUMBER OF PLANTS	DRY WEIGHT (GM/PLANT)  0.7779 0.8371 4.7442 14.6649 9.3673 21.7326 19.6753 7.4394 21.5522 25.3360 7.1060 3.4556	COUNTING DRY MEIGHT (GRAMS)  7.7794 4.0942 9.4883 14.6848 8.3673 5.1326 7.5553 7.4374 2.3522 6.8860 7.1060 3.4936	SPECIFIC ACTIVITY (D/S/GM) 3343.082 2677.807 2729.691 2164.524 2084.242 2527.699 1385.210 389.748 2196.919 1308.005 384.762 1016.145	#8ER: 102 : 153 : 166 ASU #.158+00 6.688+00 6.918+00 5.408+00 6.318+00 3.478+00 9.738-01 5.488+00 3.278+00
RADIGNU INLYIAL SAMPLE NUMBER 10202 10203 10204 10205 10206 10207 10208 10209 10210 10210 10212 10212	PLANT PART LEAVES STALM LEAVES STALM TASSEL LEAVES TALS TASSEL TASSEL TASSEL TASSEL TASSEL TASSEL	\$AROY	OAM  ID/S/GM  NUMBER OF PLANTS  10 2 1 1 1 1 1 1 1 1	DRY MEIGHT (GM/PLANT) 0.7779 0.8371 4.7442 14.0840 9.3673 7.4394 21.5522 23.3340 7.1040 3.4556 23.4101	COUNTING DRY MEIGHT (GRAMS)  7-7794 4-0942 9-4883 14-6848 8-3673 5-1326 1-3553 7-4374 5-3522 8-8860 7-1060 3-4556 9-9901	SPECIFIC ACTIVITY (D/S/GM)  3343.G82 2477.807 2729.691 2164.524 2084.292 2527.699 1389.210 389.748 2196.919 1308.009 384.742 1016.142	######################################
RADIGNU INITIAL SAMPLE NUMBER 10202 10203 10204 10206 10206 10206 10209 10210 10211 10212 10213 10214	PLANT PART  SHOCT LEAVES STALK LEAVES HUSK	SANDY L SR- 85 GIIVIIY AGE (DAYS) 27 41 41 94 61 70 70 102 102 102 102	OAM  ID/S/GM  NUMBER OF  PLANTS  10  2  2  1  1  1  1  1  1	DRY WEIGHT (GM/PLANT)  0.7779 0.8371 4.7442 14.6649 9.3673 21.7326 19.6753 7.4394 21.5522 25.3360 7.1060 3.4556 22.4101 24.7433 6.6875	CORN  COUNTING DRY MEIGHT (GRAMS)  7,7794 4,0942 9,4883 14,6848 8,3673 5,1326 7,5353 7,4374 5,3522 6,8860 7,1060 3,4576 1,49901 5,3133 6,4875	SPECIFIC ACTIVITY (D/S/GM)  3343.062 2677.807 2729.691 2164.524 2084.242 2527.699 1282.210 384.748 2196.919 1308.005 384.742 1014.042 -442.673 226.708	#8ER: 102 : 153 : 166 ASU #.158+00 6.688+00 6.913+00 5.408+00 6.313+00 3.478+00 3.278+00 3.278+00 2.548+00 2.548+00 5.108+00
RADIGNU INITIAL SAMPLE NUMBER 10201 10202 10203 10204 10205 10206 10209 10210 10211 10212 10213 10213	PLANT PART  SMOCT LEAVES STALM LEAVES STALM LEAVES STALM TASSEL LEAVES STALM TASSEL LEAVES STALM TASSEL LEAVES	AGE (DAYS) 27 41 41 41 41 61 70 70 102	OAM  ID/S/GM  NUMBER  OF  PLANTS  10  2  2  1  1  1  1  1  1	DRY WEIGHT (GM/PLANT)  0.7779  0.8371  1.7442  14.4844  4.3473  21.7324  21.5522  25.3340  7.1040  3.4554  21.4101  24.7433	COUNTING DRY MEIGHT (GRAMS)  7,7794 4,0942 9,4883 14,6848 8,3673 7,1326 7,1326 7,4374 2,3322 6,8860 7,1060 3,4536 9,9901 9,3133	SPECIFIC ACTIVITY (D/S/GM)  3343.082 2477.807 2729.491 2164.524 2084.292 2327.489 1389.210 389.748 2196.919 1308.009 384.742 1014.042 -642.673	ASU  4.358+00 6.608+00 6.818+00 6.318+00 7.408+00 9.738-01 9.428-00 9.278-00 9.278-00 4.318-00 9.408-01

TABLE A-103

			PLANY UI	TAKE SUMMARY	YI CORM		
SOLLI	CAKLEY	SANDY I	GAH			CMTAINER NA	MGER: 193
RAGION	UCL IDE:	SR- AS	L			atr <u>Planter</u>	1 153
INITIA	LSGILA	CITATI	<u> </u>	11 400.40		ATE EMERGE	1.164
			NUMBER		COUNT ING	SPECIFIC	
NUMBER	PART	IDAYS	PLANTS	(GM/PLANT)	GRAMS)	(D/S/GM)	UZA
10361	SHOOT	27	. 10	1.0111	10.1113	3051-124	7-628+00
10362	LEAVES		5	7-1016	3.7132	2484-073	6-718+00
10303 10304	<u>STALK</u> LEAVES	<u> </u>		3.4557 13.8629	4.9115 13.8629	2598-234	4-45E+00
10305	STALK			5.7891	5.7891	1948-492	4.865+00
10304	LEAVES	61 	ļ	27.0326 	4.3526 8.4152	2237-191 1059-007	5-588+00
10308	TASSEL	61	i	11.1519	11,1519	373.325	7.328-01
10309	LEAVES	70		24.2395	5.9395	_2784.244	A-948+00
10310	STALK TASSEL	70 70	1	27.4400 4.1335	8.7900 4.1335	1293.353	3-238+00
10312	HUSK	70	1	2.7715	2.7715	522.404	1.308+00
10311	-FAR	70	<del>-  </del> -	0.4020	1.2376		9-098-01
10315	SILK Tassel	102	i	1.3644	0.6020 	138.761 1158.561	3.462-01 2.892+80
10314	STALK	195	1	24.7413	12.9013	750.160	1.498+00
10317 10318	<u>LEAVES</u> HUSK	102	<u>i</u>	24 <u>.5574</u> 9.3944	<u>4.2774</u> 1.3944	<u>3078.492</u> _ 203.089	7.488+00 5.078-01
10319	SILK	102	_ i	1.2344	1,2344_	196.619	4-912-01
10320	KERNEL		•	30.4823	45.2339	14.020	3.508-02
10321_	COB	102		10-0668 TABLE A-104	8.3207	1214877_	3-948-01
			PLANT UP	TAKE SUMMARY	: CORN		
	BANIEV E					MATERIA MIN	1000 104
	GAKLEY S	ANDY L	IAP .			NTAINER MU	
		ANDY L	IAP .				
RADIONU	CLIDE	ANDY LI	na <u>m</u>			TE PLANTED:	193
RADIONU	SOIL AC	L YONA 28 –42 Yiivii	CD/S/GM	1: 469440	QA DA	TE PLANTED:	193
CADIONU CHITIAL	CLIDE	ANDY LI SP- 89 TIVITY	CD/S/GM		Q2 QA	TE PLANTED:	193
RADIGNU CHITLAL SAMPLE NUMBER	SOIL AC PLANT PART	ANDY LI SA- 82 TLVITY AGE (DAYS)	CAM  CO/S/GM  NUMBER  OF  PLANTS	DRY MEIGHT (GH/PLANT)	COUNTING DRY MEIGHT IGRAMS)	TE PLANTED: TE EMERGED: SPECIFIC ACTIVITY (D/S/GN) 2314-678	193
ADIGNU INITIAL IMPLE NUMBER	SOIL AC  PLANT PART  SHOOT LEAVES	ANDY LI SR- 89 TLYLTY AGE (DAYS)	LD/S/GM MUMBER OF PLANTS	DRY MEIGHT (GM/PLANT)	COUNTING DRY WEIGHT (GRAMS)	TE PLANTED: TE EMERGED: SPECIFIC ACTIVITY (D/S/GH) 2914-A78 2730-444	193 161 ASU 7-203-00 6-828-00
CADIONU CHITIAL CAMPLE NUMBER	PLANT PART SHOOT LEAVES STALK LEAVES	ANDY LI \$R- 82 TLYLTY AGE (DAYS) 	QAM  (Q/S/GM)  NUMBER  QF  PLANTS  10  2  1	DRY MEIGHT (GH/PLANT) Q4649 8.5445 3.5993 10.7603	COUNTING DRY MEIGHT IGRAMS)  6.6482 4.4790 7.0185	TE PLANTED: TE RMERGED: SPECIFIC ACTIVITY (D/S/GR)  2914-678 2730-494 2740-167	ASU
RADIGNU LITTAL SAMPLE NUMBER 10402 10402 10403 10403	PLANT PART  SMOOT LEAVES STALK	ANDY LI SR- 82 TIVITY AGE (DAYS) 27 41 41 41 54	CAM  LD/S/GM  MUMBER  OF  PLANTS  10  2  2  1	DRY MEIGHT (GM/PLANT) 0.4442 0.3442 1.5093 10.7403 3.1991	COUNT ING DRY WEIGHT (GRAMS)  6.442 4.4790 7.0185 10.7603 5.1291	TE PLANTED:  TE EMERGED:  SPECIFIC ACTIVITY (D/S/GH)  2914-678 2730-484 2846-187 1707-678 2089-189	7-288-90 6-828-00 6-18-90 4-268-90 9-228-90
RADIGNU SAMPLE NUMBER 10402 10403 10403 10404 10404	PLAMT PART SMOOT LEAVES STALK LEAVES	ANDY LI SA- 89 TLVITY AGE (DAYS) 	QAM  (Q/S/GM)  NUMBER  QF  PLANTS  10  2  1	DRY MEIGHT (GM/PLANT) Q.6649 0.5649 3.5099 10.7603 2.1391 22.3223	COUNTING DAY MEIGHT IGRAMS)  6.6482 4.4790 7.0185 10.7603 9.1391 4.7223	TE PLANTED:  TE EMERGED:  SPECIFIC ACTIVITY (D/3/GN)  2314-678 2730-444 2346-387 1707-470 2081-011	ASU  7.282+90 6.828+00 6.418+90 4.268+00 5.228+00 5.148+00
RADIGNU (hitial sample number 10402 10403 10403 10403 10403 10403	PLANT PART  SHOOT LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK TASSEL	ANDY LI SR- 82 TIVITY AGE (DAVS) 27 41 41 41 54 61 61	LD/S/GM NUMBER OF PLANTS 10 2 2 1 1	DRY MEIGHT (GM/PLANT) 0.4648 0.5643 3.5093 10.7603 3.1391 22.5223 11.5933 2.6766	COUNTING DRY MEIGHT (GRAMS)  6.6482 4.4790 7.0183 10.7403 5.1291 4.7223 1.4135 2.8744	TE PLANTED: TE EMERGED: SPECIFIC ACTIVITY (D/S/GH)  2914-678 2730-48- 2746-387 1707-670 2061-011 1381-502 364-209	7-288-90 6-828-90 6-828-90 6-118-90 6-228-90 5-128-90 1-458-90 1-458-90
RADIGNU INITIAL SAMPLE NUMBER 10402 10402 10403 10404 10405 10406 10407 10408	SOIL AC  PLANT PART  SMOOT LEAVES STALK LEAVES STALK LEAVES STALK LEAVES TASSEL LEAVES	ANDY LI SR- 89 TLVITY AGE (DAYS) 27 41 41 54 61 61 70	MUMBER OF PLANTS	DRY MEIGHT (GM/PLANT) 0.4649 8.3643 3.5093 10.7603 21.3913 22.9223 17.5935 2.6764 21.4773	COUNTING DAY WEIGHT IGRAMS1  6.6482 4.4790 7.0185 10.7403 1.4723 7.4135 2.8746 5.5795	TE PLANTED:  IE EMERGED:  SPECIFIC ACTIVITY (D/3/GM)  2314-678 2730-444 2346-367 1707-070 2061-011 1161-192 369-569 1835-796	7,288+90 6.828+00 6.418+90 4.288+00 7,148+90 3,148+90 3,148+90 3,148+90 4,238-01 4,238-01
RADIGNU LAITIAL SAMPLE RUMBER 10402 10403 10404 10403 10404 10407 10403 10407	PLANT PART  SHOOT LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK TASSEL	ANDY LI SR- 82 TIVITY AGE (DAVS) 27 41 41 54 61 70 70	UAM  LD/S/GM  MUMBER  DF  PLANTS  10  2  1  1  1  1	DRY MEIGHT (GM/PLANT) 0.4648 0.5643 3.5093 10.7603 3.1391 22.5223 11.5933 2.6766	COUNTING DRY MEIGHT (GRAMS)  6.6482 4.4790 7.0183 10.7403 5.1291 4.7223 1.4135 2.8744	TE PLANTED: TE EMERGED: SPECIFIC ACTIVITY (D/S/GH)  2914-678 2730-48- 2746-387 1707-670 2061-011 1381-502 364-209	7-288-90 6-828-90 6-828-90 6-118-90 7-228-90 7-148-90 1-538-90 1-538-90 1-738-90
RADIGNU INITIAL SAMPLE NUMBER 10402 10403 10404 10405 10406 10407 10406 10407 10410	SOIL AC  PLAMT PART  SMOOT LEAVES STALK LEAVES	ANDY LI SR- 62 TIVITY AGE (DAYS) 27 41 41 54 61 61 70 70	MUMBER OF PLANTS	DRY MEIGHT (GM/PLANT) 0.4448 0.3643 3.4993 10.7603 2.1991 22.9223 17.9935 2.6764 21.4793 41.5462 3.9040 2.4060	COUNTING DRY WEIGHT I GRAMS!  6.6482 4.4790 7.0185 10.7603 9.1291 4.7223 7.4135 2.8744 5.5195 12.5442 5.2044 2.4060	TE PLANTED:  18 EMERGED:  SPECIFIC ACTIVITY (D/S/GM)  2914-618 2730-444 2544-267 1707-976 2001-011 1381-302 344-249 1835-796 601-030 474-153 208-738	7.288+90 6.828+00 6.418+90 4.268+00 5.128+00 3.458+00 1.588+00 1.738+00 1.738+00 1.698+00 5.218-10
RADIGNU LAITIAL SAMPLE RUMBER 10402 10402 10403 10404 10403 10404 10407 10408 10410 10411 10412 10412	PLAMT PART  SMOOT LEAVES STALK LEAVES STALK TASSEL TASSEL HUSK EAA	ANDY LI SR- 82 TIVITY AGE (DAYS) 27 41 41 54 61 61 70 70 70	IG/S/GM	DRY MEIGHT (GM/PLANT) 0.4649 8.5643 3.5093 10.7603 5.1391 22.5223 17.9935 2.6764 21.4799 41.5562 5.0040 2.4040 1.4720	COUNTING DAY MEIGHT IGRAMS)  6.6482 4.4790 7.0185 10.7403 9.1291 4.7223 7.4135 2.8744 5.5195 12.5442 5.0040 2.4060 1.4720	TE PLANTED:  IE EMERGED:  SPECIFIC ACTIVITY (D/3/GN)  2314-678 2730-444 2346-387 1707-676 2061-011 1361-562 364-367 671-939 671-939 676-253 2067-78	ASU  7.288+90 6.828+90 6.418+90 7.228+90 7.228+90 7.238-91 7.238-91 7.238-91 7.238-91 7.238-91 7.238-91 7.238-91 7.238-91
RADIGNU INITIAL SAMPLE NUMBER 10402 10403 10404 10405 10406 10407 10406 10407 10410	SOIL AC  PLAMT PART  SMOOT LEAVES STALK LEAVES	ANDY LI SR- 62 TIVITY AGE (DAYS) 27 41 41 54 61 61 70 70	UAM  LD/S/GM  MUMBER  OF  PLANTS  10  2  1  1  1  1	DRY MEIGHT (GM/PLANT) 0.4448 0.3643 3.4993 10.7603 2.1991 22.9223 17.9935 2.6764 21.4793 41.5462 3.9040 2.4060	COUNTING DRY WEIGHT I GRAMS!  6.6482 4.4790 7.0185 10.7603 9.1291 4.7223 7.4135 2.8744 5.5195 12.5442 5.2044 2.4060	TE PLANTED:  18 EMERGED:  SPECIFIC ACTIVITY (D/S/GM)  2914-618 2730-444 2544-267 1707-976 2001-011 1381-302 344-249 1835-796 601-030 474-153 208-738	7.288+90 6.828+00 6.418+90 4.268+00 5.128+00 3.458+00 1.588+00 1.738+00 1.738+00 1.698+00 5.218-10
RADIGNU LAITIAL SAMPLE NUMBER 10402 10402 10403 10404 10407 10408 10410 10410 10411 10412 10413 10414 10414	PLAMT PART  SMOOT LEAVES SYALK LEAVES STALK TASSEL HUSK EMR STILK TASSEL HUSK TASSEL STALK TASSEL	ANDY LI SR- 82 TIVITY AGE (DAYS) 27 41 41 54 61 70 70 70 70 70 70 102	IG/S/GM	DRY MEIGHT (GM/PLANT)	COUNTING DRY MEIGHT IGRAMS1  6.6482 4.4790 7-0185 10.7403 5.1291 4.7223 7-6135 2.8746 5.5195 12.5442 5.0040 2.4060 1.6220 1.1820 1.1820 1.05329	TE PLANTED:  IE EMERGED:  SPECIFIC ACTIVITY (D/3/GR)  2314-678 2730-444 2346-387 1707-676 2081-011 1361-582 309-269 1835-796 671-939 474-853 208-734 89-130 537-195 702-164	ASU  7.282+90 6.828+00 6.418+90 4.268+00 7.228+90 7.238+01 1.738+00 1.738+00 1.228-01 1.348+00 2.498+00 1.758+00
RADIGNU LAITIAL SAMPLE NUMBER 10402 10402 10403 10403 10403 10403 10403 10413 10413 10414 10413 10414 10413	PLANT PART  SHOOT LEAVES STALK LEAVES STALK TASSEL LEAVES STALK TASSEL HUSK EAR SILK TASSEL STALK TASSEL HUSK EAR SILK TASSEL STALK TASSEL LEAVES	ANDY LI SA- 49 TIVITY AGE (DAVS) 	UAM  ID/S/GM  MUMBER  OF  PLANTS  10  2  1  1  1  1  1	QAY MEIGHT (GM/PLANT) QA448 0.5643 3.5093 10.7603 5.1991 22.3223 17.9935 2.6766 21.4793 41.5562 5.0040 2.4060 1.6120 3.43544 31.0329 24.9239	COUNTING DRY MEIGHT IGRAMS)  6.6482 4.4790 7.0185 10.7403 5.1291 4.7223 7.4135 2.8744 5.5795 12.9402 2.4040 1.6220 1.1820 3.8544 10.5329 7.4599	TE PLANTED:  TE EMERGED:  SPECIFIC ACTIVITY (D/S/GR)  2914-478 2730-484 2346-387 1707-478 2081-89 2061-011 1381-82 369-99 671-99 671-83 208.738 89-130 537-193 99-130 537-193 99-148 702-164	7.282+90 6.828+90 6.428+90 6.418+90 7.228+90 7.148+90 7.238-91 7.238-91 7.238-91 7.238-91 7.238-91 7.228-91 7.2
RADIGNU INITIAL SAMPLE NUMBER 10402 10402 10403 10404 10407 10408 10408 10410 10410 10411 10414 10414 10414 10414 10414 10414 10414	PLAMT PART  SMOOT LEAVES STALK LEAVES STALK TASSEL TASSEL HUSK EAR STLK TASSEL STALK TASSEL HUSK EAR STLK TASSEL STALK LEAVES HUSK STALK	ANDY LI SR- 82 TIVITY AGE (DAYS) 27 41 41 54 54 61 70 70 70 70 70 102 102 102 102	NUMBER OF PLANTS  LO 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DRY MEIGHT (GM/PLANT) 0.4649 8.5643 3.5093 10.7603 5.1391 22.5223 17.5935 2.6764 21.4799 41.5762 5.0040 2.4040 1.6720 1.1620 3.6544 31.0329 24.9299 11.7220 Q.9043	COUNTING DAY MEIGHT IGRAMS1  6.6482 4.4790 7.0185 10.7403 9.1291 4.7223 7.4135 2.8744 5.5195 12.5442 5.0040 2.4000 1.6220 1.1820 1.1820 1.1820 1.1820 1.1820 1.1820 0.9043	TE PLANTED:  IE EMERGED:  SPECIFIC ACTIVITY (D/3/GM)  2214-678 2730-444 2346-247 1707-070 2061-011 1181-502 369-569 1835-796 601-039 476-253 208-738 89-130 537-195 702-104 344-848 197-529	7.288+99 6.828+90 6.828+90 6.418+90 4.268+90 7.148+90 7.148+90 7.238-91 1.738+90 1.738+90 1.758+90 6.158+90 4.758+90 4.758+90 4.758+90 4.758+90
ADIGNU INITIAL LAMPLE RUMBER 10402 10402 10403 10403 10404 10403 10410 10411 10412 10413 10414 10413 10414 10413 10418	PLAMT PART  SHOOT LEAVES STALK LEAVES STALK TASSEL LEAVES STALK TASSEL HUSK EAR STALK TASSEL HUSK EAR STALK TASSEL HUSK EAR STALK KERNEL	ANDY LI \$A-82 TIVITY AGE (OAVS) 	ID/S/GM	QAY MEIGHT (GM/PLANT) QA448 0.5643 3.5093 10.7603 2.1391 22.3223 17.9935 2.6766 21.4773 41.5662 2.4060 1.620 1.120 3.4344 31.0329 24.9279 11.7220 Q.9043 26.3450	COUNTING DRY MEIGHT IGRAMS1  4.4482 4.4790 7-0185 10.7403 5-1291 4.7223 7-4125 2.8744 5.5795 12.5442 5.4040 2.4040 2.4040 2.4040 1.1820 3.8544 10.5329 7-4399 11.7220 0.9043 33.1902	TE PLANTED:  TE EMERGED:  SPECIFIC ACTIVITY (D/S/GR)  2314-678 2730-484 2346-387 1707-470 2087-189 2061-011 1361-82 369-369 1361-83-706 671-99 476-253 208-738 89-130 537-195 497-188 702-104 2444-848 197-529 194-238 20.202	7-288-90 6-828-90 6-828-90 6-418-90 4-268-90 9-228-90 1-588-90 1-588-90 1-588-90 1-588-90 1-348-90 2-228-91 1-348-90 2-498-90 1-358-90 4-388-90
ADIGNU MITIAL AMPLE UMBER 0402 0403 0404 0407 0406 0407 0410 0410 0411 0414 0414 0414 0414 0414	PLAMT PART  SMOOT LEAVES STALK LEAVES STALK TASSEL TASSEL HUSK EAR STLK TASSEL STALK TASSEL HUSK EAR STLK TASSEL STALK LEAVES HUSK STALK	ANDY LI SR- 82 TIVITY AGE (DAYS) 27 41 41 54 54 61 70 70 70 70 70 102 102 102 102	NUMBER OF PLANTS  LO 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DRY MEIGHT (GM/PLANT) 0.4649 8.5643 3.5093 10.7603 5.1391 22.5223 17.5935 2.6764 21.4799 41.5762 5.0040 2.4040 1.6720 1.1620 3.6544 31.0329 24.9299 11.7220 Q.9043	COUNTING DAY MEIGHT IGRAMS1  6.6482 4.4790 7.0185 10.7403 9.1291 4.7223 7.4135 2.8744 5.5195 12.5442 5.0040 2.4000 1.6220 1.1820 1.1820 1.1820 1.1820 1.1820 1.1820 0.9043	TE PLANTED:  IE EMERGED:  SPECIFIC ACTIVITY (D/3/GM)  2214-678 2730-444 2346-247 1707-070 2061-011 1181-502 369-569 1835-796 601-039 476-253 208-738 89-130 537-195 702-104 344-848 197-529	7.288+99 6.828+90 6.828+90 6.418+90 4.268+90 5.148+90 1.538+90 1.738+90 1.738+90 1.738+90 1.758+90 4.758+90 4.758+90 4.758+90 4.758+90

			LARL UP	TAKE SUMMARY	: COKA		<b></b>
	HANFORD	SANDY (	LÁY LÚA	a		INTAINER MU	MARAI 10:
RADIONU	CLIDE:	SA- 65	HEATED	TO SEO DEG	SERIC DA	TE PLANTED	1 165
	5014 44	. 1 1 0 1 7 0	10/5/68	1: 359.70	D.A	TR EMERGED	. 141
BALLAL		·I/·NAIL	7 MV - 44 - 180	221019		IL KOLONEN	<u></u>
			MUMBER		COUNTING	SPECIFIC	
SAMPLE	PLANT	AGE	OF	DAY MEIGHT	DRY MEIGHT	ACTIVITY	ASU
NUHBER	PART	(CAYS)	PLANTS	(GR/PLANT)	(GRAMS)	(D/S/GM)	
	funnt.		1.0	0.3556		140 074	4 173 61
10501 10502	SMOOT LEAVES	<del></del>	19	<u>0.3559</u> 2.8334	4.4201	149 <u>.976</u> 107.288	4.173-01 2.983-01
10503	STALK	34		1.0459	4-1951	83,281	2.328-01
10504 10505 _	LEAVES Stalk	42	1	7.8159 3.2427	7.8159 3.2627	101.309	2.828-01 3.328-01
10506	LEAVES	58	<del>-</del> 1	17.3440	4.7640	40.556	1.138-0
10507	STALK	<u> 54</u>	<del></del> -	17.2199	<u>11.4735</u>	40-244	<u> 1-148-0</u> 1
1050 <b>8</b> 10509	TASSEL LEAVES	50 74	1	6.3140 21.9325	4.3140 4.1425	7.541 61.802	2.108-02 1.728-01
10510	STALK	76	i	45.0153	12.4253	21.490	4.038-02
10511	<u>TASSEL</u> Ear	<del>76</del>	<del></del>	3.1113	3.1113	33 <u>.423</u> 9.419	<u> </u>
10512 10513	SILK	74	i_	0.7964	0.7944	7.452	2.078-0
10514	HUSK	76	1	9.0184	9-0184	5.769	1.608-0
10515	<u>Tassel</u> Stalk	90	<del>-  </del> -	23.500 <i>4</i>	3.0400	10.093	1.058-01 5.038-0
10517	LEAVES	90	_i_	18.31/18_	7.4403	104-447	2.968-0
10516	HUSK	90	1	6.4319	4.0319	6-304	1.758-0
10514 10520	<u> SILK</u> KERNEL	90		0.5/49 10.0/05	28.4027	17.912	4.982-0
10521	COB	90	i_	5.4285	8.8412	5.845	1.638-0
			PLANT U	TABLE A-100	•		- · · · · · ·
			PLANT U	TABLE A-10	•		
SOIL:	HANFORD			TABLE A-100 PTAKE SUMMAR	Y: CORN	ONTAINER NU	
		SANDY	CLAY LO	TABLE A-100 PTAKE SUMMAR	yz GGRN	ONTAINER NU	MBER: 10
RADION	UCL LOE:	SANDY SR- 85	CLAY LO	TABLE A-100 PTAKE SUMMAR: AM	CORN CORN CORN CORN	ONTAINER NU	MBER: 10
RADION	UCL LOE:	SANDY SR- 85	CLAY LO	TABLE A-100 PTAKE SUNMAR	CORN CORN CORN CORN	ONTAINER NU	MBER: 10
RADIGN	SOIL A	SANDY SR- 85 CTIVITY	CLAY LO	TABLE A-100 PTAKE SUMMAR: AN	COUNTING	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC	MRER: 10 : 165 : 161
RADIGNI INITIA SAMPLE	SOIL A	SANDY SR- B5 CTIVITY AGE	CLAY LQ	TABLE A-100 PTAKE SUMMARY AM PTO 1027 DEC H11 372-90	CORN  CORN  COUNTING  DRY WEIGHT	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC AGTIVITY	MBER: 10
RADIGN	SOIL A	SANDY SR- 85 CTIVITY	CLAY LO	TABLE A-100 PTAKE SUMMAR: AN	COUNTING	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC	MRER: 10 : 165 : 161
RADIONI INITIA SAMPLE CUMBER	SOIL A	SAMDY SR- B5 CTIVITY AGR (DAYS)	CLAY LOZ HEATE (DZSZG) NUMBER OF PLANTS	TABLE A-100 PTAKE SUMMARY AN PTAKE SUMMA	CORN  CORN  COUNTING  DRY HEIGHT  (GRAMS)	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/GM)	MRER: 10: 1 165 1 161
RADIGNI INITIA SAMPLE	SOIL A	SANDY SR- B5 CTIVITY AGR (DAYS)	CLAY LQ	TABLE A-100 PTAKE SUMMARY AM PTO 1027 DEC H11 372-90	CORN  CORN  COUNTING  DRY WEIGHT	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC AGTIVITY	MRER: 10 : 165 : 161
SAMPLE AUMBER 10401 10602 10403	PLANT PART  SHOOT LEAVES STALK	SANDY SR- B5 CTIVITY AGR (DAYS) 21 34	GLAY LQ. HEATE! 1D/S/G! NUMBER OF PLANTS	TABLE A-100 PTAKE SUMMAR:  AM  TO 1027 DE:  411 372.90  DRY HEIGHT  (GM/PLANT)  2.2801 0.4810	COUNTING DRY WEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/GH)	MBER: 10: : 165 : 161 ASU 5.848-0 2.318-0: 2.318-0:
SAMPLE AUMBER 10601 10602 10603 10604	PLANT PART SHOOT LEAVES STALK LEAVES	SAMOY SR- 85 CT1VITY AGR (DAYS) 21 34 42	HEATE (D/S/G) NUMBER OF PLANTS	TABLE A-100 PTAKE SUMMAR'  AH  D TG 1027 DE  HII 372.20  ORY HEIGHT  (GM/PLANT)  0.3994 2.2001 0.4810 10.4859	COUNTING DRY MEIGHT (GRAMS)  3.9945 5.2463 10.4959	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/GM) 21-760 14-144 8-598 11-809	MBER: 10: : 165 : 161 ASU 5.843-0. 3.798-0. 2.318-0. 3.178-0.
RADIQNI INITIA SAMPLE AUMBER 10601 10602 10603 10604 10606	PLANT PART  SHOOT LEAVES STALK LEAVES STALK LEAVES	SANDY  SR- 85  CIIVITY  AGR (DAYS)  21  34  34  42  42  58	GLAY LO/ HEATE/ LO/S/G/ NUMBER OF PLANTS	TABLE A-100 PTAKE SUMMAR:  AM.  DIG 1027 DE:  411 372.90  ORY WEIGHT  (GM/PLANT)  2.2881  0.4810 10.4559 37.4740	COUNTING DRY WEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/GH)	MSER: 10: : 165 : 161 ASU 5.843-0 3.798-0 2.318-0 3.178-0 3.038-0
RADIQNI INITIAI SAMPLE AUMBER 10401 10602 10403 10604 10605 10606 10607	PLANT PART SHOOT LEAVES STALK LEAVES STALK LEAVES	SAHDY SR- 85 CT1VITY AGR (DAYS) 21 34 42 42 42 58	CLAY LO/ HEATEI LO/S/GI NUMBER OF PLANTS  10 4 6 1 1	TABLE A-100 PTAKE SUMMAR:  AH  D TG 1027 DE:  ALI 372.20  DRY HEIGHT  (GM/PLANT)  0.3994 2.2001 0.6810 10.6559 4.6104 27.6760 262750	COUNTING DRY MEIGHT (GRAMS)  3.9945 5.2463 10.8559 4.6106 7.0240	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/GM) 21-760 14-144 8-598 11-809 11-266 9-860 5-486	#BER: 10 : 165 : 165 : 161 ASU 5.848-0 3.798-0 3.178-0 3.178-0 3.038-0 2.648-0 1.478-0
RADIGNI INITIAI SAMPLE LUMBER 10601 10602 10603 10606 10607 10606	PLANT PART  SHOOT LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK TASSEL	SANDY SR- 85 CTIVITY AGE (DAYS) 21 34 34 42 42 58 58	GLAY LQ/ HEATEI LD/S/GI NUMBER OF PLANTS	TABLE A-100 PTAKE SUMMAR:  AM  DIG 1027 DEC  ALI: 372,90  DRY MEIGHT  (GM/PLANT)  0.3994 2.2801 0.4810 10.6559 4.6106 37.4760 8.3630	COUNTING ORY WEIGHT (GRAMS)  3.9945 5.2465 5.2465 7.0240 9.8250 9.3630	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/8/GM) 21.760 14.144 8.598 11.809 11.809 11.809 11.809 11.809 11.809 11.809	MRER: 10: 165 161 ASU 5.843-0 3.798-0 2.318-0 3.178-0 3.038-0 2.648-0 1.478-0 4.328-0
SAMPLE : UMBER	PLANT PART LEAVES STALK LEAVES STALK TASSEL LEAVES STALK TASSEL STALK	SAHDY SR- 85 CTIVITY AGR (DAYS) 21 34 42 42 42 58 58 76	CLAY LQ/ HEATEI LD/S/GI NUMBER QF PLANTS 10 6 1 1 1	TABLE A-100 PTAKE SUMMAR:  AH  D TG 1027 DEC  412 372.20  CRY MEIGHT (GM/PLANT)  0.2994 2.2801 10.4559 4.6104 37.4740 24.2750 4.3630 4.3630 4.39886	COUNTING DRY MEIGHT (GRAMS)  3-9945 5-2463 10-8559 4-6106 7-0240 9-8250 0-3430 5-9701 13-5386	ONTAINER NU ATE PLANTED ATE EMERGED 	#BER: 10 : 165 : 165 : 161 ASU 
SAMPLE : UMBER : 10601 : 10602 : 10605 : 10606 : 10607 : 10606 : 10607 : 10608 : 10607 : 10610	PLANT PART  SHOOT LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK TASSEL LEAVES STALK TASSEL	SANDY  SR- 85 CTIVITY  AGR (DAYS)  21 34 42 42 58 58 76 76 76	GLAY LQ/ HEATEI ID/S/GI NUMBER OF PLANTS  10 6 6 1 1 1 1 1 1	TABLE A-100 PTAKE SUMMAR:  AM  DIG 1027 DEC  ALI: 372.90  ORY MEIGHT (GM/PLANT)  0.3994 2.2801 0.4810 0.4659 4.6106 37.4760 24.2750 8.3630 22.4601 4.9.966 3.27879	COUNTING ORY MEIGHT (GRAMS)  3.9945 5.2485 5.2485 5.2463 10.6559 4.6106 7.0260 9.8250 9.3630 5.9701 13.5386 3.7879	SPECIFIC ACTIVITY (D/S/GH)  21.760 14.146 8.598 11.809 11.296 9.860 5.486 1.612 10.403 2.077 3.246	#8ER: 10 : 165 : 165 : 161 
SAMPLE AUMBER 10602 10603 10604 10605 10606 10609 10610 10611 10612	PLANT PART  SHOOT LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK TASSEL EAX	SAHDY SR- 85 CTIVITY AGR (DAYS) 21 34 42 42 42 58 58 76	GLAY LQ, HEATE!  1D/S/G!  NUMBER OF PLANTS  10 6 1 1 1	TABLE A-100 PTAKE SUMMAR:  AM DIG 1027 DE:  ALL: 372490  DRY WEIGHT (GM/PLANT)  0.3994 2.2881 0.4810 10.4559 4.45104 37.4740 24.2750 24.2750 4.3480 22.44601 43.9886 3.7879 6.1388	COUNTING DREES C D  COUNTING DRY WEIGHT  (GRAMS)  3.9945 5.2865 5.2863 10.6559 4.6506 7.0260 9.8250 9.8250 13.5386 3.7879 6.1388	SPECIFIC ACTIVITY (D/8/GM)  21.760 14.144 8.598 11.809 11.809 1.809 1.809 1.809 1.809 1.809 1.809 1.809 1.809 1.809 1.809 1.809 1.809	MBER: 10: 165 161 3.798-0: 2.318-0: 3.178-0: 2.648-0: 1.478-0: 4.328-0: 5.578-0: 8.718-0: 2.718-0: 2.718-0: 2.718-0: 2.718-0: 2.718-0: 2.718-0: 2.718-0: 2.718-0: 2.718-0: 2.718-0: 2.718-0: 2.718-0: 2.718-0: 2.718-0: 2.718-0:
SAMPLE	PLANT PART  SHOOT LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK ASSEL LEAVES STALK HUSK HUSK	SAMDY  SR- 85 CTIVITY  AGR (DAYS)  21 34 42 42 58 58 76 76 76 76 76	GLAY LQ/ HEATEI ID/S/GI NUMBER OF PLANTS  10 6 6 1 1 1 1 1 1	TABLE A-100 PTAKE SUMMAR:  AM DIG 1027 DEC  ALI: 372.90  ORY HEIGHY (GM/PLANT)  0.3994 2.2801 0.4559 4.6106 37.4760 24.2750 8.3630 22.4601 43.9466 3.7879 6.1388 1.0328 9.6896	COUNTING DRY MEIGHT (GRAMS)  3.9945 5.2005 5.2005 7.0260 7.0260 9.2250 9.3630 5.9761 13.5386 3.7579 6.1308 1.0328 9.6896	ONTAINER NU ATE PLANTED ATE EMERGED 	#8ER: 10 : 145 : 145 : 161 
SAMPLE AUMBER 10602 10602 10602 10606 10609 10610 10611 10612 10613 10615 10615	PLANT PART  SHOOT LEAVES STALK HUSK TASSEL HUSK TASSEL	SANDY  SR- B5 CTIVITY  AGE (DAYS)  21 34 34 42 58 76 76 76 76 76 90	GLAY LQ/ HEATE  ID/S/GI  NUMBER OF PLANTS  10 4 6 1 1 1 1 1 1 1 1 1	TABLE A-100 PTAKE SUMMAR:  AM DIG 1027 DEI ALI: 372,90  DRY WEIGHT (GM/PLANT)  0.3994 2.2881 0.4810 10.4559 4.4106 37.4740 24.2750 4.3630 22.4601 43.9886 3.7879 6.1388 1.0328 9.6896	COUNTING ORNES C D  COUNTING ORY WEIGHT (GRAMS)  3.9945 5.2865 5.2863 7.0240 9.8250 9.	SPECIFIC ACTIVITY (D/8/GH) 21.760 14.144 8.598 11.809 11.809 1.809 1.809 1.809 1.809 2.077 3.246 0.920 21.702 0.904 3.805	MRER: 10: 165 165 161 3.798-0: 2.318-0: 3.178-0: 3.178-0: 2.448-0: 4.328-0: 2.478-0:
SAMPLE	PLANT PART  SHOOT LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK ASSEL LEAVES STALK HUSK HUSK	SAHDY  SR- 85 CTIVITY  AGR (DAYS)  21 34 34 42 42 58 58 76 76 76 76 70 90	GLAY LO/ MEATE/ ID/S/G/ NUMBER OF PLANTS	TABLE A-100 PTAKE SUMMAR:  AH  2 TG 1027 DE:  412 372.29  CRY WEIGHT (GM/PLANT)  0.3994 2.2881 10.6559 4.6166 37.4760 24.2750 4.3630 22.6601 43.9886 3.7879 6.1388 1.0328 9.6896 3.7147 36.5239	COUNTING ORY MEIGHT (GRAMS)  3.9945 5.2885 5.2885 10.6959 4.6106 7.0260 9.8250 8.3630 5.97101 13.5386 1.7879 6.1388 1.0328 9.6496 3.7147 10.6339	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/GM) 21.760 14.144 8.598 11.809 11.809 1.612 10.403 2.077 3.246 0.920 21.702 0.904 3.805 4.046	#BER: 10:  165  161  ASU  5.848-0 3.798-0 3.178-0 3.178-0 3.178-0 3.178-0 3.178-0 3.178-0 3.178-0 3.178-0 3.178-0 3.178-0 3.178-0 3.178-0 3.178-0 3.178-0 3.178-0 3.18-0 3
SAMPLE AUMBER 10602 10602 10602 10606 10607 10606 10601 10612 10613 10615 10616 10615 10616 10616 10617 10618	PLANT PART  SHOOT LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK TASSEL EAR SILK HUSK TASSEL STALK LEAVES HUSK HUSK HUSK HUSK HUSK HUSK HUSK HUS	SANDY  SR- B5 CTIVITY  AGE (DAYS)  21 34 34 42 58 76 76 76 76 76 90 90	GLAY LQ/ HEATE  ID/S/GI  NUMBER OF PLANTS  10 4 6 1 1 1 1 1 1 1 1 1	TABLE A-100 PTAKE SUMMAR:  AM DIG 1027 DEC  ALI: 372.90  DRY WEIGHT (GM/PLANT)  0.3994 2.2801 0.8810 10.659 4.6106 37.6760 26.2750 8.3630 22.6601 43.9886 13.7879 6.1388 1.0328 9.6896 3.7147 36.5239 23.3957 12.6122	COUNTING ORNES C D  COUNTING ORY WEIGHT (GRAMS)  3.9945 5.2865 5.2863 10.6559 4.6506 7.0240 9.8250 9.8250 9.8250 4.6308 3.7701 13.5386 1.0328 9.66196 3.7147 10.6339 1.8267 12.6122	SPECIFIC ACTIVITY (D/8/GH) 21.760 14.144 8.598 11.809 11.809 11.809 1.809 1.612 10.403 2.077 3.246 0.920 21.702 0.920 21.702 0.924 0.920 21.702 2.369 0.924 0.920 2.369 0.924 0.925 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.925 0.924 0.925 0.924 0.925 0.924 0.925 0.924 0.925 0.924 0.925 0.925 0.925 0.926 0.926 0.926 0.927 0.927 0.924 0.926 0.927 0.926 0.927 0.926 0.927	MRER: 10:  165  161  3.798-0: 2.318-0: 3.178-0: 3.178-0: 3.478-0: 5.578-0: 2.478-0: 5.628-0: 2.438-0: 1.028-0: 1.028-0: 6.668-0: 6.668-0:
SAMPLE	PLANT PART  SHOOT LEAVES STALK LEAVES STALK TASSEL LEAVES STALK TASSEL EAR SILK HUSK TASSEL STALK STALK STALK STALK STALK STALK STALK STALK LEAVES	SAHDY  SR- 85 CTIVITY  AGR (DAYS)  21 34 34 42 42 58 58 76 76 76 76 90 90	GLAY LQ/ HEATEI ID/S/GI NUMBER OF PLANTS  10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TABLE A-100 PTAKE SUMMAR:  AH  D TG 1027 DE:  ALI 372.20  ORY HEIGHY (GM/PLANT)  0.33994 2.2081 0.4810 0.4559 4.6106 37.4770 43.986 3.71879 6.1388 1.0328 9.6896 3.7147 36.5239 23.3567	COUNTING DRY MEIGHT (GRAMS)  3.9945 5.2005 5.2005 7.0260 7.0260 9.2250 9.3630 5.9761 13.5386 1.0328 9.6896 3.7147 10.6339 7.4267	ONTAINER NU ATE PLANTED ATE EMERGED 	#8ER: 10 : 145 : 145 : 161 

TABLE A-107

			PLAKI UP	TAKE SHRMARY	· LUNE		
SCILI	HANFORD	SANDY	CLAY LO	M		INTA LORA MA	<b>MARI</b> 107
RADI CHU	CLIDE:	SR- 82	MEALES	TO 1071 DEG	AEEL C DA	TE PLANTED	: 145
INITIAL	SOIL	CTIVITY	(D/1/9)	11 172.90		TA EMBAGED	1.161
			NUMBER	<del></del>	COUNT ING	SPECIFIC	
SAMPLE	PART	(DAYS)	PLANTS	GM/PLANT)	(GRAMS)	(D/S/6H)	UZU
10701	SHOOT	_21_	10	0.4511	4.5107	49,037	1.321-01
10702	LEAVES	34	•	1.8475	4.1740	47.244	1.110-01
10703 107 <b>0</b> 4	LEAVES	42	·	0-8043 10-4439	10.4439	<u>41.800</u>	1.248-01
10705	STALK	42	<u>_i</u>	5,5619	3,5819	41.449	1.094-07
107 <b>06</b> 10707	LEAVES	38 38	1	16.7040	5.4540 9.4470	27.087 18.046_	7.248-02
10708	YASSEL	58	<del></del>	4.8900	4.8900	4.322	4.643-02
10109	LEAVES		<del></del>	17.2213	5.4013	30-504	4-148-01
10710 10711_	STALK TASSEL	76 76	1	26.3310	14.4210 24169	14.879 	3.998-02 4.208-02
10712	EAR	76	ī	7.2545	7.2505	2.924	7.048-03
10713 10714	HUSK	76 76	<del></del>	9.8597 3.7556	5.7556	<u>0.147</u>	1-913-04
10715	TASSEL	90	i_	2.3490	2.3890	3.905 18.132_	1.058-02 4.648-02
10716	STALK	90	1	20.8441	11.9461	11.539	1.011-02
10717 10718	LEAVES HUSK	90	<del>1</del>	3.9624 16.9217	5-9626 6-3617	31.112 3.722	<b>1.348-02</b> 1.988-03
10719	_SILK	-90-		0.5279	0.5279	2,433	7.124-03
							2-108-03
10720	COB	10		7.6098 4.7979 TABLE A-108			7.211-01
				4.7979	6.9372	- 24689	
10721			PLANT UP	TABLE A-108	9372 1 CORN	- 24689	7,214-03
10721 501L1	COB	SANDY	PLANT UP	4.7979 TABLE A-108 TAKE SUMMARY	9372 1 CORN	2.689	7.218-03
GOLLI RADIONU	MANFORD	SANDY (	PLANT UP	4.7979 TABLE A-108 TAKE SUMMARY	G.9372	ALGER	7.218-03 MRER: 100
GOZELI RADLONU	MANFORD ICLIDES	SANDY :	CLAY LOA	TABLE A-108 TAKE SUMMARY	GA9372  CORN  CC  DA  COUNTING	ENTAINER NU LIE PLANTED LIE EMERGED SPECIFIC	Maga: 108
SOLL: RADIONU INITIAL	MANFORD ICLIDES	SANDY ( CS-127 CTIVITY AGE	PLANT UP	4.7929 TABLE A-108 TAKE SUMMARY	G.9372	AMTAINER NU ATE PLANTED	7.218-03 MRER: 100
SOLLI RADIGHU LAITIAL SAMPLE NUMBER	MANFORD IC LIDE: SCXL AN PLANT PART	SANDY (CS-127 CTIVITY AGE (CAYS)	CLAY LOA  LD/S/GP  NUMBER  OF	TABLE A-108 TAKE SUMMARY  IM  DRY WEIGHT  (GM/PLANT)	COUNTING DRY MRIGHT (GRAMS)	ATAINER MU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/GR)	MAER: 100 1 165 1 161 ASU
GOLL: BADIGHU INITIAL SAMPLE NUMBER 10801	MANFORD ICLIDE: SCXL AG PLANT PARY SHOOT LEAVES	SANDY (CS-13? CS-13? CTIVITY  AGE (CAVS)	CLAY LOA  LD/S/GE  NUMBER  OF  PLANTS	TABLE A-108 TAKE SUMMARY  TAKE SUMMARY  DRY WEIGHT (GM/PLANT)	COUNTING ORY WEIGHY (GRAMS)	SPECIFIC ACTIVITY (D/S/GR)	MAER: 108 1 165 1 161 ASU 2.908-02 3.018-02
SOLLI RADIGHU LAITIAL SAMPLE NUMBER	MANFORD IC LIDE: SCXL AN PLANT PART	SANDY (CS-127 CTIVITY AGE (CAYS)	LD/S/GE NUMBER PLANTS	TABLE A-108 TAKE SUMMARY  IM  DRY WEIGHT  (GM/PLANT)	COUNTING DRY MRIGHT (GRAMS)	ATAINER MU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/GR)	7.218-03 MRER: 109 1 145 1 141 ASU 2.408-02 3.018-02 2.928-02
GOLL: BADIGHU INITIAL SAMPLE NUMBER 10002 10002 10003	MANFORD IC LIDE: SCXL AG PLANT PART LEAVES STALK STALK	\$4NDY (CS-13? CTIVITY AGE (DAYS)	CLAY LOA  LD/S/GP  NUMBER  OF  PLANTS  10  8  8  1	1379 TABLE A-108 TAKE SUMMARY TAKE SUMMARY (FILL 1422.00 DRY WEIGHT (GM/PLANT)	COUNTING ORY WEIGHY (GRAMS)  3.758 10.7180 4.2300 5.2200 5.3819	SPECIFIC ACTIVITY (D/S/GN)  41.294 42.757 41.532 146.567	#AER: 109 1 145 1 141  ASU 2.908-02 3.018-02 1.928-01 8.908-02
GOLLI RADIGNU INITIAL SAMPLE NUMBER 10802 10803 10804 10806	MANFORD ICLIDES SCAL AN PLANT PART SHOOT LEAVES STALK LEAVES STALK LEAVES	\$0 \$ANDY ( \$2-137 \$1141114 AGE (DAYS) 21 34 42	CLAY LOA  CLAY LOA  CD/S/GM  NUMBER  OF PLANTS  10 6 11 12	11: 1422.00  DRY MEIGHT (GR/PLANT)  0.3736 0.5288 9.2200 15.919 14.1050	GRAMS)  COUNTING ORY WRIGHY (GRAMS)  3.7538 10.7180 4.2300 5.2200 5.2219 4.4699	2.689  ENTAINER NU ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GN)  41.294 42.757 41.532 146.567 113.694 185.802	7.218-01 MARR: 108 1 165 1 161 ASU 2.908-02 3.018-02 1.938-01 1.318-01
GOL: RADIGNU INITIAL SAMPLE NUMBER 10802 10803 10806 10806 10807	MANFORD IC LIDE: SCXL AN PARY SHOOT LEAVES STALK LEAVES STALK TASSEL	\$ANDY (CS-13? CS-13? CTIVITY  AGE (DAYS)  21  34  42  58  58	LD/S/GP NUMBER OF PLANTS  10 6 6 1 1 2 1	TABLE A-108 TAKE SUMMARY  TAKE SUMMARY  (GR/PLANT)  0.1716 1.3398 0.5280 1.5819 14.1850 10.7000 7.1955	COUNTING ORY WEIGHY (GRAMS)  3.7558 10.7180 4.2300 9.5219 4.4699 8.1000 7.1955	2.689  ATE PLANTED  ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GN)  41.294 42.757 41.532 146.547 113.694 185.802 94.621 127.401	7.218-01 MAER: 108 1 145 1 141 ASU 2.908-02 1.018-02 2.928-01 8.008-02 1.318-01 6.458-02 8.478-02
GOLL:  BADEGRU  INITIAL  SAMPLE NUMBER  10802 10803 10804 10805 10806 10807 10808	MAMPORD ICLIDE: SCXL AND PLANT PART SHOOT LEAVES STALK LEAVES STALK TASSEL LEAVES	SANDY : CS-13? CS-13? CILVITY  AGE (DAYS)  21 34 42 42 50 58 74	CLAY LOA  CLAY LOA  CD/S/GP  NUMBER  OF  PLANTS  1  2  2  1	13: 1422.00  DRY WEIGHT (GM/PLANT)  0.3756 0.3298 0.2200 14.1050 10.7000 7.1955	GORN  COUNTING ORY WRIGHY (GRAMS)  3.7558 10.7180 4.2300 5.2000 5.5819 4.4699 8.1000 7.1955 4.9161	SPECIFIC ACTIVITY (0/S/GH)  4).294 42.757 41.932 146.567 113.694 105.802 94.621 127.601	7.218-01 MARR: 108 1 165 1 161 ASU 2.908-02 3.018-02 1.038-02 4.038-02 6.457-02 8.278-02
GOL: RADIGNU INITIAL SAMPLE NUMBER 10802 10803 10806 10806 10807	MANFORD IC LIDE: SCXL AN PARY SHOOT LEAVES STALK LEAVES STALK TASSEL	\$ANDY (CS-13? CS-13? CTIVITY  AGE (DAYS)  21  34  42  58  58	PLANT UP  CLAY LOA  LD/S/GP  NUMBER  GF  PLANTS  10  6  1  1  2  1  1	TABLE A-108 TAKE SUMMARY  TAKE	COUNTING ORY WEIGHY (GRAMS)  3.7558 10.7180 4.2300 9.5219 4.4699 8.1000 7.1955	2.689  ATE PLANTED  ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GN)  41.294 42.757 41.532 146.547 113.694 185.802 94.621 127.401	7.218-01 MAER: 108 1 167 1 161 ASU 2.908-02 2.928-01 8.008-02 1.318-02 8.478-02 8.278-02 3.738-02
GOLL:  BADIGNU  INITIAL  SAMPLE NUMBER  10802 10804 10806 10807 10808 10809 10810 10810	MANFORD ICLIDE: SCXL AF PART SHOOT LEAVES STALK LEAVES	SANDY : CS-13? CS-13? CILVITY  AGE (DAVS)  21 34 34 42 42 58 58 76 76	PLANT UP  CLAY LOA  LD/S/GP  NUMBER  OF  PLANTS  10  8  8  1  1  2  1  1  1	TABLE A-108 TAKE SUMMARY  TAKE	COUNTING ORY WRIGHY (GRAMS)  3.7558 10.7180 4.2300 5.2200 5.2200 7.1955 4.9161 8.5362 1.2139	2.689  ENTAINER NU ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GN)  41.294 42.757 41.532 146.567 113.694 185.802 94.621 127.601 117.648 33.076 103.937 37.059	#AER: 108  1 145  1 141  ASU  2.908-02 3.018-02 1.938-01 4.098-02 1.318-01 4.098-02 3.718-02 2.218-02 2.18-02 2.418-02
SOIL:  RADIGNU  INITIAL  SAMPLE NUMBER  10802 10804 10803 10804 10805 10806 10807 10808 10808 10801	MANFORD IC LIDE: SCXL AF PLANT PART  SHOOT LEAVES STALK LEAVES STALK TASSEL	\$4 AGE (DAYS)  21 34 42 42 58 76 76 76 76	PLANT UP  CLAY LOA  LD/S/GP  NUMBER  GF  PLANTS  10  8  1  1  2  1  1  1	11: 1422.00  DRY WEIGHT (GM/PLANT)  0.3726 1.3398 0.5288 9.2200 5.5819 14.1850 10.7000 7.1959 15.5661 25.9142 2.8762 1.2139 0.7309	GRAMS)  COUNTING ORY WRIGHY (GRAMS)  3.7558 10.7180 4.2300 5.2200 5.5819 4.469 8.1000 7.1955 4.9161 8.5342 2.8742 1.2139 0.7309	2.689  INTAINER MU ATE PLANTED TE EMERGED  SPECIFIC ACTIVITY (0/S/GN)  41.294 42.757 41.532 146.567 13.694 187.601 117.648 33.076 103.937 37.059 58.549	7.218-01 MRER: 108 1 167 1 161 ASU 2.908-02 2.928-01 8.008-02 1.318-02 8.478-02 8.278-02 3.738-02 7.218-02 2.418-02 4.418-02
GOLL:  BADIGNU  INITIAL  SAMPLE NUMBER  10802 10804 10806 10807 10808 10809 10810 10810	MANFORD ICLIDE: SCXL AF PART  SHOOT LEAVES STALK TASSEL EAR SILK HUSK TASSEL	\$4NDY   \$4NDY   \$25-137 \$11411Y  AGE (DAYS)  21	PLANT UP  CLAY LOA  LD/S/GP  NUMBER  OF  PLANTS  10  8  8  1  1  2  1  1  1		COUNTING ORY WRIGHY (GRAMS)  3.7558 10.7180 4.2300 9.2200 9.5819 4.4699 8.1000 7.1955 4.9161 8.5362 1.2139 0.7309 3.1795 3.5247	2.689  CHYAINER NU ATE PLAMTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GH)  41.294 42.757 41.532 146.567 113.694 185.802 94.621 127.601 117.648 33.076 103.937 37.059 58.349 41.725 77.142	7.218-01 MAER: 108 1 165 1 161 ASW 2.908-02 1.038-01 8.008-02 1.318-01 6.658-02 8.278-02 3.718-02 2.418-02 4.118-02 2.938-02 5.9428-02
SOIL:  RADIGNU  INITIAL  SAMPLE NUMBER  10802 10804 10803 10804 10803 10808 10809 10810 10811 10814 10813	MANFORD IC LIDE:  SCXL AN  PLANT PART  SHOOT LEAVES STALK TASSEL LEAVES STALK TASSEL EAR	\$4NDY (C\$-137)  C\$-137  C\$-137  C\$-137  AGE (DAYS)  21  34  42  42  42  58  76  76  76  76  70  90	PLANT UP  CLAY LOA  LD/S/GP  NUMBER  OF  PLANTS  10  8  1  1  1  1	TABLE A-108 TAKE SUMMARY  TAKE SUMMARY  IR  DRY WEIGHT (GM/PLANT)  Q.2726 1.3398 Q.2282 Q.2282 Q.2282 14.1850 10.7000 T.1953 15.2661 25.9162 2.8762 1.2139 Q.7309 3.1795 3.1795 2.56187	GRAMS)  COUNTING ORY WRIGHY (GRAMS)  3.7558 10.7180 4.2300 5.2200 5.5819 4.4699 8.1000 7.1955 4.9161 8.5342 2.8742 1.2139 0.7309 3.1795 3.5247 12.8187	2.689  ATAINER MU ATE PLANTED TE EMERGED  4).294 42.757 41.532 146.567 13.694 187.601 117.648 33.076 103.937 37.059 58.549 41.725 77.142	7.218-01  MRER: 108  1 167  1 161  ASU  2.908-02  3.018-02  1.938-01  6.058-02  8.278-02  3.738-02  7.218-02  2.618-02  2.4128-02  3.578-02  3.578-02
SAMPLE NUMBER 10802 10804 10805 10806 10809 10811 10812 10814 10813 10814 10815 10816 10817	MAMPORD IC LIDG: SCXL AN PART PART SHOOT LEAVES STALK LEAVES STALK TASSEL LEAVES STALK TASSEL EAR SILK HUSK TASSEL STALK LEAVES	\$4NDY (C\$-137)  C\$-137  C\$-137  C\$-137  AGE (DAYS)  21  34  42  42  42  58  76  76  76  76  70  90	PLANT UP  CLAY LOA  LD/S/GP  NUMBER  OF  PLANTS  10  8  8  1  1  2  1  1  1	TABLE A-108 TAKE SUMMARY  TAKE	GORN  COUNTING  GRY MRIGHY (GRAMS)  3.7558 10.7180 4.2300 5.2200 5.5819 4.4649 8.1000 7.1955 4.9161 8.5342 2.8762 1.2139 0.7309 3.1795 3.5247 12.8187 6.2725	2.689  CHTAINER MATE PLANTED  ATE PLANTED  SPECIFIC ACTIVITY (D/S/GN)  41.294 42.757 41.532 146.567 113.694 185.802 94.621 127.601 117.648 33.074 103.937 37.059 58.549 41.725 77.142 47.937	#AER: 108 1 145 1 145 1 141  ASU  2.908-02 3.018-02 2.928-02 1.318-01 6.455-02 8.273-02 2.418-02 2.418-02 2.18-02 2.18-02 3.578-02 3.578-02 7.358-02 7.358-02 7.358-02
SOIL:  RADIGNU  INITIAL  SAMPLE NUMBER  10802 10804 10803 10804 10803 10808 10809 10810 10811 10814 10813	MANFORD IC LIDE:  SCXL AN  PLANT PART  SHOOT LEAVES STALK TASSEL LEAVES STALK TASSEL EAR	\$4NDY (C\$-137)  C\$-137  C\$-137  AGE (DAYS)  21  34  42  42  42  42  76  76  76  76  90  90  90	PLANT UP  CLAY LOA  LD/S/GP  NUMBER GF  PLANTS  10  8  1  1  1  1  1	TABLE A-108 TAKE SUMMARY  TAKE SUMMARY  IR  DRY WEIGHT (GM/PLANT)  Q.2726 1.3398 Q.2282 Q.2282 Q.2282 14.1850 10.7000 T.1953 15.2661 25.9162 2.8762 1.2139 Q.7309 3.1795 3.1795 2.56187	GRAMS)  COUNTING ORY WRIGHY (GRAMS)  3.7558 10.7180 4.2300 5.2200 5.5819 4.4699 8.1000 7.1955 4.9161 8.5342 2.8742 1.2139 0.7309 3.1795 3.5247 12.8187	2.689  ATAINER MU ATE PLANTED TE EMERGED  4).294 42.757 41.532 146.567 13.694 187.601 117.648 33.076 103.937 37.059 58.549 41.725 77.142	7.218-01  MRER: 108  1 167  1 161  ASU  2.908-02  3.018-02  1.938-01  6.058-02  8.278-02  3.738-02  7.218-02  2.618-02  2.4128-02  3.578-02  3.578-02

TABLE A-109

LC1i s	HANFORD	SANDY (	CLAY LOA	<b>A</b>	ć.	ONTAINER NO	WARE 1 104
				TO AMO DEG		ATE PLANTED	
ENTYTAL	SCIL A	TIVITY	LD/S/AN	11_119.70		ATE EMERGED	1.173
·			NUMBER		COUNTING	SPECIFIC	
<u>Sample</u> Number	PART	(DAYS)	PLANTS	16M/PLANT	(GRAMS)	(D/S/GR)	ASU
14901	LEAVES		1	14.5953	A-9453	86.151	2.408-01
10902	STEM	19	î	34.7145	10.4945	55.449	1.558-0
10903	TUBER	- 99	<del></del>	20-5141	1-0581	74.437	2-148-0
1 0904 1 0905	PEELS MEAT	- <del>11</del>	1	13.7205	13.7205	2. <b>026</b> 7. <b>9</b> 77	7.868-01 2.228-01
10104	RCGT	99	1	3.2359	3.2359	50.220	1.408-0
				<del></del>			
SCIL:	HANFORD		PLANT UP	TABLE A-110 TAKE SUMMARY	PCTATO	ONTAINER MA	MREN: 11
		SANDY	CLAY LOA	TAKE SUMMARY	PCTATO	ONTAINER MU	
RADICNI	CLIDE	SANDY SR- 85	CLAY LOA	TARE SUMMARY	POTATO  CARES C D		145
AADIGNI IMITIAL	SOIL A	SANDY SR- 45	CLAY LOA HEATED	TARE SUMMARY  10 1027 DEG	POTATO  SARES C D  COUNTING	ATE PLANTED ATE EMERGED SPECIFIC	11 177
RADIGNI INITIAL SAMPLE	CLIDE	SANDY SR- 43 CILVITY AGE	CLAY LOA HEATEG (D/S/GH	TAKE SUMMARY	E POTATO  CAREES C D	ATE PLANTED ATE EMERGED	145
RADICHI INITIAL SAMPLE NUMBER	SOIL A  PLANT PART  LEAVES	SANDY SR- #3 CTIVITY AGE (DAYS)	CLAY LOA HEATED (D/S/GHOUNDER OF PLANTS	IARE SUMNARY  IN 10 1027 DEG  II 372-90  DRY MEIGHT  (GM/PLANY)	COUNTING DRY MEIGHT (GRAMS)	ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY 10/S/GH)	11 177 11 177 A3U
RADICHI INITIAL SAMPLE NUMBER 11001 11002	SOIL A  PLANT PART  LEAVES STEM	SANDY SR- 83 CTIVITY AGE (DAYS) 99	CLAY LOA HEATED (D/S/GH) NUMBER OF PLANTS	TARE SUMMARY  10 1027 DEG  11 372-90  DRY MEIGHT  (GM/PLANT)  23-5449  44-0436	COUNTING DRY MEIGHT (GRAMS)	ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY 10/S/GH)  29.838 29.934	1: 145 1: 177 A3U 8:008-0: 6:968-0:
RADICNI	SOIL A  PLANT PART  LEAVES	SANDY SR- #3 CTIVITY AGE (DAYS)	CLAY LOA HEATED (D/S/GHOUNDER OF PLANTS	IARE SUMNARY  IN 10 1027 DEG  II 372-90  DRY MEIGHT  (GM/PLANY)	COUNTING DRY MEIGHT (GRAMS)	ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  29.838 29.934 0.732 2.885	11 177 11 177 A3U
RADICHI IMITIAL SAMPLE NUMBER 11001 11002	PLANT PART  LEAVES STEM TUBER	SANDY SR- 45 CILVITY AGE (DAYS) 99 99	MEATER (D/S/GH NUMBER OF PLANTS	TARE SUMMARY  10 1027 DEG  11 372-90  DRY MEIGHT  (GM/PLANT)  23-5689  34-0436 27-3631	COUNTING DRY MEIGHT (GRAMS)  9.3789 13.0936	ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (10/S/GH)  29.038 29.094	ASU  6-908-0: 2-028-0: 2-028-0:

TABLE A-113

			PLANT UP	TAKE SUMMARY	POTATO		
SCILE	HAMPORD	SANGY (	LAY LOA	M	69	MYALMER MA	<b>111</b>
RADIONU	CLIDEL	SR- 83	HEATED	IG 1971 DES	REES C DA	TE PLANTER	1 145
*****		466	MUMBER	DRY MEIGHT	COUNTING DRY MEIGHT	PECIFIC	ASU
NUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	10/5/6H1	
11101	LEAVES	99		14.1970	1,1970	71.422	1.928-01
11102	STEM THER	99	1	26.3179 24.6933	8,6779 14,2400	70.584	1.698-01
11104	PEELS	11	1	27,4540	27.4560	1.644	4.418-03
11104	ROOT	99	<del></del>	<u>24.8877</u> 5.0041	14-8277 5-0061	36,524	7.542-01 1.578-61
		. <u>.                                   </u>			& MHEAT		
		SANDY (	CLAY LOA	TAKE SUBBARY	I WHEAT CO	NTAINER NA	
		SANDY (	CLAY LOA	TAKE SUBBARY	& MHEAT	NTAINER NA	
BADIONU	CL IDE:	SANDY (	CLAY LOA	TAKE SUMMARY	I WHEAT CO	INTAINER NU	1 145
RADIONU	SGIL A	SANDY ( SR- 85 CILVILY	CLAY LOA  HEATED  LD/S/SM  NUMBER	TAKE SUMMARY  M	E MHEAT CO	INTAINER MAINTER MAINTER PLANTER	: 171
BADIONU	CL IDE:	SANDY ( SR- 85 GILYITY AGE	CLAY LOA HEAYED LD/S/GH	TAKE SUMMARY	CG AERS C DA	INTAINER MA TR PLANTED TE EMERGED	1 145
RADIONU INITIAL SAMPLE NUMBER	SGIL A	SANDY ( SR- 85 GILVITY  AGE (DAYS)	MEATED LD/S/GM NUMBER DF PLANTS	TAKE SUMMARY  TO 480 DEC  11 359-70  [IRY hEIGHT   GR/PLANT]	COUNTING ORY WEIGHT	TE PLANTER TE EMERGED SPECIFIC ACTIVITY (D/S/GM)	: 145 : 171 ASU
SAMPLE NUMBER	SCIL A  PLANT PART  SHOOT SHOOT	SANDY ( SR- 85 CILVITY  AGE (DAYS)	HEATED LD/S/GM NUMBER GF PLANTS	TAKE SUMMARY  N 10 880 DEC  IN MEIGHT  (GM/PLANT)  0.2003	COUNTING ORY WEIGHT (GRAMS)	INTAINER MA TR PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GM)	1 163 1 171 ASU 2.392-02 9.098-02
SAMPLE NUMBER 11201 11202 11203	PLANT PART SHOOT LEAVES	SANGY ( SR- 89 GTIVITY  AGE (DAYS)  21 34 42	HEATED LD/S/GM NUMBER OF PLANTS 30 10	TAME SUMMARY  M. TO 480 DEG  11 359-70  (GM/PLANT)  0.0437	COUNTING ORY MEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/GM)  8.414 32.557	1 165 171 ASU 2.192-02 9.058-02 4.432-02
SAMPLE HUMBER 11201 11202 11203 11204 11205	PLANT PART SHOOT SHOOT SHOOT SHOOT STALK HEAD	SANDY (  SR- 85  GILVILY  AGE (DAYS)  21  34  42  42  42	GLAY LOA  HEATED LD/S/SM  NUMBER GE PLANTS 30 10 10	TAKE SUMMARY  M. 10 880 DEC  IN BEIGHT  (GR/PLANT)  0.0417 0.2005 0.2070 0.3050 0.11238	COUNTING ORY WEIGHT (GRAMS)  1.3104 0.2934 2.0703 3.0579 1.3283	SPECIFIC ACTIVITY (D/S/GM)  BA614 32.537 13.952 5.921 2.570	2.145 2.192-02 9.058-02 4.432-02 1.698-02 7.148-03
SAMPLE NUMBER 11201 11202 11203 11204 11205 11206	SGIL A  PLANT PART  SHOOT 1 HAVES STALK HEAD	SANDY ( SR- 89 GTIVITY  AGE (DAYS)  21 34 42	CLAY LOA  MEATED LD/S/SM  NUMBER OF PLANTS 30 30 10	TAKE SUMMARY  M. 10 480 DEG  IN MEIGHT  (GM/PLANT)  0.0437 0.2005 0.2070 0.3050 0.1558 0.4953	COUNTING ORY WEIGHT (GRAMS)  1.3104 0.2934 2.0763 3.0579 1.5263 4.9933	SPECIFIC ACTIVITY (D/S/GM)  BA614  32.537  13.952  5.951  2.570	2.145 2.171 ASU 2.292-02 9.058-02 4.432-02 1.498-02 7.148-03 5.718-03
SAMPLE NUMBER 11201 11202 11203 11204 11205 11206 11207 11208	SGIL A  PLANT PART  SHOOT SHOOT IEAVES STALK HEAD HEAD LEAVES	SANDY (  SR- 85  GILVILY  AGE (DAYS)  21  34  42  42  58  58	GLAY LOA  HEATED  LD/S/SM  NUMBER  DE  PLANTS  30  30  10  10  10  10	TAKE SUMMARY  N  TO -880 DEC  11399.TO  (GR/PLANT)  0.0417 0.2005 0.2070 0.3050 0.31358 0.4953 0.2732 0.1953	COUNTING ORY WEIGHT (GRAMS)  1.3104 0.2934 2.0763 3.0579 1.9293 4.9533 5.7315 1.9924	SPECIFIC ACTIVITY (D/S/GM)  BA614 32.537 13.952 2.970 2.054 5.894	2.392-02 9.098-02 4.432-02 1.698-02 7.18-03 1.610-02 4.728-02
SAMPLE NUMBER 11201 11202 11203 11204 11205 11206 11206	SGIL A  PLANT PART  SHOOT 1 FAVES STALK HEAD HEAD STALK	SANDY ( SR- 89 GILVITY  AGE (DAYS)  21 34 42 42 42 98	MEATED LD/S/SM NUMBER DF PLANTS 30 30 10 10	TAKE SUMMARY  M	COUNTING ORY WEIGHT (GRAMS)  1.3104 0.2930 2.0703 3.0579 1.9503 1.9520 12.0765	SPECIFIC ACTIVITY (D/S/GM)  B.414  32.557  13.952  5.921  2.570  2.054	2.392-02 7.098-02 4.432-02 1.698-02 7.148-03 5.718-03 1.698-02
SAMPLE NUMBER 11201 11202 11203 11204 11205 11206 11207 11208 11209 11210	STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES STALK LEAVES	SANDY ( SR- 85 GILVILY  AGE (DAYS)  21 34 42 42 58 58 74 76	HEATED  LD/S/SM  NUMBER  OF  PLANTS  10  10  10  10  10  10  10  10  10  1	INY MEIGHT (GM/PLANT)  Q.Q417 Q.2005 Q.2070 Q.3258 Q.4953 Q.4752 Q.1958 Q.12677 Q.6179 Q.2074	COUNTING ORY WEIGHT (GRAMS)  1.3104 0.2930 2.0703 3.0579 1.9203 4.9533 4.9533 1.9520 12.0765 6.1791 2.0944	SPECIFIC ACTIVITY (D/S/GM)	2.392-02 9.098-02 4.432-02 7.142-03 5.718-03 1.010-02 4.728-02 1.288-02 4.528-02 1.618-02
SAMPLE NUMBER 11201 11202 11203 11204 11205 11206 11207 11208 11209 11210	PLANT PART  SHOOT LEAVES HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES	SANDY ( SR- 89 CTIVITY  AGE (DAYS)  21 34 42 42 42 58 58 74	MEATED ID/S/SM NUMBER OF PLANTS 30 30 10 10 10 10	TAKE SUMMARY  TO 880 DEG  11: 359.70  1:RY bEIGHT  (GM/PLANT)  0.0437  0.2025 0.2070 0.3056 0.4953 0.2132 0.1953 1.2877 0.4179	COUNTING ORY WEIGHT (GRAMS)  1.3104 6.2934 6.2934 3.0979 1.5583 4.9933 9.7315 1.9528 12.8765 6.1791	SPECIFIC ACTIVITY (D/S/GM)	2.192-02 2.192-02 2.192-02 2.093-02 1.093-02 7.112-03 1.010-02 4.723-02 4.723-02
SAMPLE NUMBER 11201 11202 11203 11204 11205 11206 11207 11208 11210 11210 11211 11212 11212 11213	PLANT PART SHOOT SHOOT SHOOT IEAVES STALK HEAD LEAVES HEAD STALK LEAVES HEAD LEAVES HEAD LEAVES HEAD LEAVES	SANDY ( SR- 85 GILVITY  AGE (DAYS)  21 34 42 42 42 58 58 74 74 65 85	MEATED  ID/S/SM  NUMBER  OF  PLANTS  10  10  10  10  10  10  10  10  10  1	INY MEIGHT  (GM/PLANT)  Q.Q437 Q.2005 Q.2070 Q.3058 Q.1558 Q.4953 Q.4953 Q.1953 1.2477 Q.2094 1.1326 Q.3159 Q.2159	COUNTING ORY WEIGHT (GRAMS)  1.3104 6.2936 2.0703 3.0579 1.2503 4.9335 1.9520 12.0765 6.1791 2.0744 11.3256 5.1509	SPECIFIC ACTIVITY (D/S/GM)	2.392-02 9.098-02 9.098-02 1.698-02 7.142-03 5.718-03 1.818-02 4.728-02 1.381-02 4.558-03 1.618-92 5.548-03 6.538-03
SAMPLE NUMBER 11201 11202 11203 11204 11205 11206 11207 11208 11209 11210 11211 11212 11212 11213 11214	PLANT PART  SHOOT LEAVES STALK HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK STALK STALK STALK STALK STALK STALK	SANDY ( SR- 82  GIIVIIY  AGE (DAYS)  21  34  42  42  42  58  74  74  85  90	HEATED  ID/S/GM  NUMBER  OF  PLANTS  30  10  10  10  10  10  10  10  10  10	TAKE SUMMARY  M  TO 480 DEC  IPY MEIGHT (GM/PLANT)  Q.Q437 Q.2005 Q.2070 Q.3050 Q.1558 Q.4953 Q.2732 Q.1953 L.2477 Q.4079 Q.2094 L.1324 Q.3159 Q.1507 L.0331 Q.4941	COUNTING ORY WEIGHT (GRAMS)  1.3104 0.2934 2.0763 3.0579 1.9593 1.9529 1.26765 0.1791 2.0944 11.3256 5.1589 1.3073 12.4902 4.9407	SPECIFIC ACTIVITY (0/S/GM)  8.614 32.537 13.952 2.054 2.570 2.054 14.952 10.356 9.707 2.009 23.482 1.277	2.392-02 9.058-02 4.432-02 1.658-02 4.432-02 1.618-02 4.728-02 4.728-02 1.281-02 4.558-02 1.281-02 4.558-02 1.281-02 4.558-02 1.481-02 4.558-02 4.558-02 4.558-02 4.558-02 4.558-02 4.558-02 4.558-02 4.558-02 4.558-02 4.558-02
SAMPLE NUMBER 11201 11202 11203 11204 11205 11206 11209 11210 11210 11211 11212 11213	SCIL A  PLANT PART  SHOOT 1 FAVES STALK HEAD HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES	SANDY ( SR- 82  GIIVIIY  AGE (DAYS)  21  34  42  42  42  58  74  74  85  90	HEATED LD/S/SM NUMBER GF PLANTS 30 10 10 10 10 10 10 10 10 10 10 10 10 10	TAKE SUMMARY  M  TO 880 DEC  IN MEIGHT  (GM/PLANT)  0.2003 0.2070 0.3030 0.1518 0.4953 0.2772 0.6179 0.2094 1.1326 0.3159 0.1507 1.0331	COUNTING ORY WEIGHT (GRAMS)  Lalo4 6.2934 2.0701 3.0579 1.2503 4.9933 5.7315 1.9528 12.8765 6.1791 1.3258 5.1589 12.4902	SPECIFIC ACTIVITY (D/S/GM)  8.614 32.537 13.952 5.951 2.570 2.054 5.804 14.968 4.952 16.356 5.787 2.009 10.059 23.482	2.192-02 9.058-02 4.038-02 1.058-02 4.238-02 1.018-02 5.718-03 1.010-02 4.728-02 1.281-02 4.728-02 1.418-02 5.388-03 2.408-02 6.338-02

TABLE A-113

				TABLE A-113			
			iaai ut	TANE AVIITARY	ı büğğü		_
SCIL	HAMFORD	SANDY (	LAY LOA	it		CHTAINER NU	HBER: 113
BADIGNU	CL 1DE:	SR- 85	HEATED	70 1027 DEG	REES C O	ATE PLANTED	1 165
INITIAL	_SO11_A	CTIVITY	(D/S/GH	11 372-90		ATL EMERGED	1.171
							·
SAMPLE	PLANT	AGE	NUMBER OF	ORY WEIGHT	COUNTING DRY HEIGHT	SPECIFIC ACTIVITY	ASU
NUMBER	PART	(DAYS)		(GM/PLANT)	(GRAMS)	(D/S/GA)	
11301	SHOOT	21	30	0.0601	1.8044	12.053	3.232-02
11302	SHOOT	34	30	0.2065	4.1947	9.231	2.468-02
11303	<u>LEAVES</u> STALK	<u> 42</u> 42		0.2038 0.3185	2.0377 3.1854	<u>8.635</u> 2.637	7.088-03
11305	HEAD	- 42	10	0.1635	1.6350	1.440_	3.847-03
11304	HEAD Stalk	54 54	10 10	0.5299 0.7172	5.2945 7.1723	0.949 2.681	2.554-03 7.192-03
11308	LEAVES	54	10	0.2411	2.6112	9.301	2.498-02
11309	HEAD		10	1-3184	13-1845	1.325	3.558-03
11310	STALK Leaves	76 76	10 10	0.4151	4.1508 2.3294	4,985	1.348-02
11312	HEAD	85	10	1.4496	14.4958	0.996	2.678-03
- ببيب	<u>STALK</u> LEAVES	<u> </u>	<del>i</del> ō	0-6005	4-0053	6.076 9.796	2.638-02
11314	HEAD	85 90	10 246	0.1434	1.6343	1.326	3.548-03
11316	STALK	90	10	0-4421	4.4213	9.743	2-618-02
11317	<u>LEAVES</u> GRAIN	90	10 236	0.8628	20.0000	3.896. 0.957	2.578-03
11319	CHAFF	0e	236	0.0472	5.0000	2.001	5.378-03
			PLANT UP	TAKE SUMMARY	's WHEAT		
SCILI	HANFORD	SANEY	CLAY LOA	K	c	CHTAINER NU	MBERT 114
RADICNL	CLIDES.	.\$8:42	HEATED	10 1071 DEG	MEES CD	ATE PLANTED	1 145
INITIAL	SCILA	CTIVITY	LD/S/GH	372.90	0	<u>ate emerged</u>	1171
			NUMBER	····	COUNTING	SPECIFIC	
SAMPLE NUMBER	<u>PLANT</u>	(DAYS)	PLANTS	DRY MEIGHT	DRY WEIGHT	ACTIVITY (D/S/GF)	ASU
11401	SHCOT	21	30	0.0521	1.56.9	19.695	5.285-02
11402	SHOOT	34	30	0.2277	6.8719	18.661	5-008-02
11403	TEVAER	42	10	0.2174	2.1763	21,202	5.69N-02
11404	STALK MEAD	42 42	10 10	0.3386 0.1856	3.3861 1.8561	6.636 3.231	1.782-02
11406	HEAD	58	10	0.4830	4.8295	2.698	7.238-03
11407	STALK	<u>58</u> 56	10	9.7040	7.0403	6.712	1-908-02
11409	LEAVES HEAD	76	10	0.2376 1.4532	2.3760 14.5317	20.830	7.706-03
11410	STALK	76	10	C.7237	7.2369	9.794	2.634-02
11411	LEAVES HEAD	76 85	10	<u>0.2492</u> 1.4431	2.4917 14.4309	6,633 1,196	1,744-02
11413	STALK	85	iŏ	0.5440	5.4598	18.357	3.218-03 4.928-02
11414	LEAVES	85	10	0.1868	1.8675	26.000	6.978-02
11415	STALK	90	251 10	1.1612 0.5286	14.3628 5.2855	1.736 15.997	4.652-03
11417	LEAVES	90	10	0.1662	1.6620	32.807	8.802-02
11418	GRAIN	90	241	0.9198	20.0000	0.883	2.378-03
11419	CHAFF	90_	241	0.0405	5.0000	5.272	1-416-02

TABLE A-115

			<u>PLAKT U</u> E	TAKE SUMMARY	LI_WHEAT		
011.1	HAMEDED	SANDY	CLAY LOA	M		MIAINER MUM	ARRI 115
AO I ONU	CLIDE:	CS-137			0	TE PLANTED:	145
					=	-	
MITIAL	_SCIL_AI	allylly.	10/3/68	111422-00	0	ITE EMERGEDI	_171
		440	NUMBER		COUNTING	SPECIFIC	
UMBER	PART	IDAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GN)	A\$U
1501	SHOOT	21	30	0.0516	1,549	48-279	1.408-01
1302	SHOOT	29	40	0.0944	3,0655		1.518-02
1903				0.6127	4.1271		<u> </u>
1504	HEAD HEAD	42	10 10	0.2036 0.3882	2.0341		2.548-07 1.618 <u>-</u> 07
1506	STALK	58	10	0.4456	4.0557		1.178-02
1507	LEAVES		10	0.2849		41.008	4-438-01
150 <b>1</b> 1501	HEAD	76 74	10 10	1.4938	14.9374		5.918-01
1910	LEAVES	76	10	0.2872	2.8722		<u>7.208-01</u> 2.708-01
1511	HEAD	85	10	1.6340	14.1397	5-961	4-198-01
1513	STALK	85	10	9.4025	4.0254		4.378-01
<u>1513                                   </u>	HEAD	- 45	300	0.1676 1.3624	18.7353		<u>1.928-0;</u> 5.448-0]
1513	STALK	90	10	0.8010	1.0297		1.044-02
1516	LEAVES	90	10	0.1794	1.7936	32.786	2.318-02
<u>1517</u> 1518	<u>GRAIN</u> Chaff	90	290 290		20.0000 5.0000	14-130	<u> 3.848-03</u> 9.948-03
	CHAIL.		280	0.0384	3.000	170,130	7.770-0:
	· · · · · · · · · · · · · · · · · · ·			TABLE A-110	)		
			PLANT UP		LI ICHATO		
CILI	HANFORD			TAKE SUMMARY	LI ICHATO		
	HANFORD	SANDY	CLAY LO	TAKE SUMMARY	CC	INTAINER NUM	MER: 11
		SANDY	CLAY LO	TAKE SUMMARY	LI ICHATO	INTAINER NUM	MER: 11
ADIGML	CLIQE:	SANDY	CLAY LOA	TAKE SUMMARY	CC	ONTAINER NUM	MER: 11
ADIGML NITIAL	SDIL A	SANDY (	CLAY LOA HEATED	TAKE SUMMARY  M  TQ 400 DEC	COUNTING	ONYAINER NUM ATE PLANTED! ATE EMERGEO:	145 147
ADIGNI NITIAI	SDIL A	SANDY (SR 45 SR 45 CTIVITY	CLAY LOA HEATED	TAKE SUMMARY	COUNTING ORY WEIGHT	ONYAINER NUM ATE PLANTED! ATE EMERGEO:	145 147
ADIGNL HITIAL AMPLE UMBER	SDIL A	SANDY	CLAY LOA HEATEC LD/S/GP NUMBER GF PLANTS	TAKE SUMMARY  IT REG DEC	OYAMDI IN	ONTAINER NUM ATE PLANTED: ATE EMERGED: SPECIFIC ACTIVITY 10/5/GM)	145 177 ASU
ADIGNI HITIAL AMPLE UMBER	SOIL A	SANDY (SR 45 SR 45 CTIVITY	CLAY LOA  HEATEC  LD/S/GP  NUMBER  OF	TAKE SUMMARY  LIQ RAG DES  LIQ	COUNTING COME OF THE COUNTING	ONTAINER NUM ATE PLANTED! ATE EMERGED: SPECIFIC ACTIVITY ID/S/GM)	145 147
ADIGMI NITIAI AMPLE UMBER 1601 1602 1603	PLANT PART  SHOOT LEAVES STEM	SANDY SR- 45 SR- 45 CTIVITY  AGE (DAYS)  29 42 42	MEATEC LD/S/GP NUMBER GF PLANTS	TAKE SUMMARY  IQ 486 DEG  1) 1 359.70  DRY MEIGHT  (GN/PLANT)  0.1948 0.9495 0.3346	CQUATING ORY MEIGHT (GAAMS)  1.9480 9.4949 3.21952	ONYAINER NUM ATE PLANTED: ATE EMERGED: SPECIFIC ACTIVITY (D/S/GM) 103.094 91.400 48.188	145 177 454 2.878-01 1.548-01
ADIGMI NITIAL AMPLE UMBER 1401 1402 1603	PLANT PART  SHOOT LEAVES SLEAVES LEAVES	SANDY : SR 85 CTIVITY AGE (DAYS) 29 42 42 58	MEATEC LD/S/GP NUMBER QF PLANYS	DRY MEIGHT (GN/PLANT)  0.1948 0.2346 5.3778	COUNTING ONY WEIGHT (GRAMS)  1.9480 9.4949 2.555 10.7557	SPECIFIC ACTIVITY (D/S/GM)	165 177 459 2.878-0 1.908-0
ADIGMI MITIAL AMPLE UMBER 1401 1402 1603 1404 1405	PLANT PART  SHOOT LEAVES STEM LEAVES STEM	SANDY (SR 45)  SR 45  CTIVITY  AGE (DAYS)  29 42 42 58	MEATED  (D/S/GP  NUMBER  OF  PLANTS  10  10  2	TAKE SUMMARY  IN 10 889 DEG  IJ 159-70  ORY WEIGHT  (GN/PLANT)  0.144  0.9495 0.3340 5.3770	CQUATING ONY WEIGHT (GRAMS)  1.9480 9.4949 3.1955 10.7959 4.8174	SPECIFIC ACTIVITY (D/S/GM)	145 177 459 2.878-0 2.248-0 1.908-0 1.908-0
ADIGMI NITIAI AMPLE UMBER 1401 1402 1403 1404 1405 1407	PLANT PART  SHOOT LEAVES STEM LEAVES STEM LEAVES STEM LEAVES	SANDY : SR \$5 CTIVITY  AGE (DAYS)  29 42 42 42 58 38 70	CLAY LOA HEATED LD/S/GP NUMBER OF PLANYS	DRY MEIGHT (GN/PLANT)  0.144 0.9495 0.3546 5.3770 3.4687 10.1545 9.8265	COUNTING COU	SPECIFIC ACTIVITY (D/S/GM)  103-094 91-400 48-188 40-202 43-83-9	145 177 454 2.878-0 1.908-0 1.908-0 1.908-0 1.948-0 1.948-0
ADIGMI NITIAI AMPLE UMBER 1601 1602 1603 1604 1603 1607 1608	PLANT PART  SHOOT LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES	SANDY : SR \$5 CTIVITY  AGE (DAYS)  29 42 42 42 58 70 70 70	MEATEC LD/S/GP NUMBER QF PLANTS 10 10 10 2 2 1	DRY NEIGHT (GN/PLANT)  0.144 0.9495 0.3546 3.4987 10.1545 2.7077	CQUNTING ONY WEIGHT (GRAMS)  1.9480 9.4949 3.1955 10.7395 4.8174 10.1545 2.7077	2MTAINER NUM ATE PLANTED: ATE EMERGED:  SPECIFIC ACTIVITY (D/S/GM)  101.094 91.466 48.188 48.202 42.814 49.930 32.012 3.824	2.878-0 2.878-0 2.548-0 1.908-0 1.908-0 1.908-0 1.908-0
ADIGMI HITIAI AMPLE UMBER 1601 1602 1603 1606 1607 1608 1609	PLANT PART  SHOOT LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES	SANDY : SR- 45 CTIVITY  AGE (DAYS) 29 42 42 58 58 70 70 121	MEATED  (D/S/GP  NUMBER  GF  FLANTS  10  10  2  1  1	DRY MEIGHT (GM/PLANT)  0.1948 0.9495 0.2546 5.3778 3.4087 10.1545 1.8265 2.7077	COUNTING ONY WEIGHT (GRAMS)  1.9480 9.4949 3.5555 10.7355 4.8174 10.1345 9.4245 2.7077 3.4927	2NYALNER NUM ATE PLANTED! ATE EMERGED;  SPECIFIC ACTIVITY (D/S/GM)  103.094 41.400 48.188 40.202 43.814 49.930 32.012 3.824 100.444	2.878-0 2.348-0 1.908-0 1.908-0 1.908-0 1.948-0 8.908-0 1.948-0
ADIGMI NITIAI AMPLE UMBER 1601 1602 1603 1604 1605 1606 1607 1608	PLANT PART  SHOOT LEAVES STEM LEAVES STEM LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES	SANDY (SR \$5 CTIVITY AGE (DAYS) 29 42 42 42 58 38 70 70 121	MEATEC LD/S/GP NUMBER QF PLANTS 10 10 10 2 2 1	DRY MEIGHT (GR/PLANT)  0.1545 0.9495 0.3546 5.3776 10.1545 1.4265 2.7077 18.3127 22.3176	CQUMTING ONY WEIGHT (GRAMS)  1.9480 9.4949 3.1955 10.7995 6.8174 10.1349 9.8265 2.7077 3.4927 4.6276	SPECIFIC ACTIVITY (D/S/GM)  103-094 11.400 48-188 40-202 45-814 49-990 32-012 3-024 100-464 32-091	145 177 454 2.878-0 1.908-0 1.908-0 1.908-0 1.908-0 1.948-0 2.908-0 3.928-0
ADIGNI NITIAL AMPLE UMBER 1401 1402 1403 1404 1607 1608 1609 1610 1611 1612	PLANT PART  SHOOT LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM PLOWER LEAVES STEM PLOWER PELS MEAV	SANDY 45  CTIVITY	CLAY LOA HEATEC LD/S/GP NUMBER QF FLANYS 10 10 2 2 1 1 1 1 1 1	ORY MEIGHT 10.1545 1.82	COUNTING ONY WEIGHY (GRAMS)  1.9480 9.4949 3.5455 10.7353 4.8174 10.1545 9.4265 2.7077 3.4927 4.6276 1.2011 7.4600	2NYAINER NUM ATE PLANYED! ATE EMERGED!  SPECIFIC ACTIVITY (D/S/GM)  103-094 91-488 48-188 48-188 48-202 45-824 49-990 32-012 3-824 100-664 32-091 12-079 3-449	2.278-01 2.278-01 2.248-01 1.908-01 1.908-01 1.948-01 2.908-01 3.908-01 3.908-01 3.908-01 3.908-01
ADIGMI NITIAI AMPLE UMBER 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410	PLANT PART  SHOOT LEAVES STEM LEAVES	SANDY : SR \$5 CTIVITY  AGE (DAYS)  29 42 42 42 70 70 121 121	MEATEC LD/S/GP NUMBER QF FLANTS 10 10 10 2 2 1 1	ORY NEIGHT (GN/PLANT)  0.144 0.9495 0.2346 0.9495 0.2346 2.0777 19.3127 22.3176 9.7711	CQUNTING ONY WEIGHT (GRAMS)  1.9480 9.4949 3.1955 10.7395 6.8174 10.1545 2.7077 3.4927 4.6276 1.2011	SPECIFIC ACTIVITY (D/S/GH)  101.094 91.488 48.188 48.202 45.814 49.930 32.012 3.824 100.444 32.091 12.079	2.878-0 2.878-0 2.848-0 1.908-0 1.908-0 1.908-0 1.908-0 2.808-0 8.908-0 8.908-0

TABLE A-117

i i i i i	<u>hanford</u>	SANDY	CLAY LOA	<u>ii</u>		<u>RIAINER MU</u>	MEER: 11
ADIONU	CLIDE	SR- 85	MEATED	TO 1027 DEG	REES C DA	TE PLANTED	1 145
INITIAL	SOIL A	<u> TIVITY</u>	_LD/\$/GH	1: 372.90	0/	TE EHERGED	<u> </u>
			NUMBER		COUNTING	SPECIFIC	
SAMPLE	PLANT	AGE	OF	DRY MEIGHT	DRY WEIGHT	ACTIVITY	UZA
NUMBER	PART	(DAYS)	PLANTS	(GR/PLANT)	(GRAMS)	(D/\$/6M)	
11701	TOOHZ	29	10	0.1542	1.5620	78-240	2.102-0
11702	LEAVES	42	3	0.4700	1.4101	40.433	1-628-0
1703	STEM	42	3	0.2040	0.4119	47-931	1-298-0
11704	LEAVES	58	3	4.5914	13.7755	44.974	1.248-0
1705	STEM	54	i	2-4402	7.3205	37.445	1-018-0
1706	LEAVES	70	<del>-</del>	11.4750	11.4750	24.419	7-708-0
1707	STEM	70	i	9,9999	1.4994	19-280	5-178-0
1708	FLOWER	70	1	0-1974	0.1976	11.358	3.058-0
1709	LEAVES	121	ī	13.7271	3.9171	74-117	1.998-0
1710	STEM	121	ī	24.4592	3.9592	40.099	1-049-0
11711	PEELS	121	ī	13.7507	1-1307	3-096	8.308-0
11712	MEAT	121	1	77.3406	5.820G	1.828	4-908-0
11713	FAULT	138	ī	272-1100	19.7000	1.349	3.728-0
11714	ROOT	121	i	4.3133	4.3133	18.082	4-858-0

TABLE A-116

PLANT UPTAKE SUNMARY: TOMATO										
SCILI	HANFORD	SANDY	LAY LOA!	<u> </u>		CONTAINER NUP	BER: 116			
RAD/ONU	CL IDE:	SR- 85	HEATED	10 1071 DEG	REES C	DATE PLANTED	165			
INITIAL	SOIL A	CHIMITY	ID/S/GH	: 372.90		PATE EMERGED:	177			
C AM <b>O</b> L 5		AGE	NUMBER OF	DRY MEIGHT	CCUNTING	SPECIFIC T ACTIVITY	ASU			
<u>Sample</u> Number	PLANT	(CAYS)		(GM/PLANT)	(GRAMS)	(D/S/GM)	W2A			
11861	SHOOT	29	10	0.1489	1,6890	129.075	3,468-01			
11802	LEAVES		3	0.4942	1.4825	119.276	3.20#-01			
11803	STEM	42			0.5457	115-697	<u> 3.101-01</u>			
11804	LEAVES		2	4.1550	14.3100	71-111	1.918-01			
11805	STEN		<del></del>	5.5248	11.0495	57.593	1 - 548 - GI			
11606	LEAVES STEM	70 70		1.2239 7.5239	8.2239 7.5239	74.487 37.448	1.002-01			
11807	FLOWER			0.2459	0.2659	6-122	1.448-02			
11849	LEAVES		•	24.4705	3.0905	46.774	1.254-01			
11810	STEM	121		38.9324	2.5324	22.399	6.013-02			
11811	PEELS	121	i	9.4365	1.5765	6.228	1 -678-02			
11812	MEAT	121	<del>-</del>	54.4400	10.1100	0.544	1.468-C			
11813	FRUIT	121	i	59.7567	22.1000	6.042	1-424-0			
11024	ROOT	121	1	1.1824	1.1824	38.877	1.048-0			

TABLE A-119

			LANT UP	YRAMMUZ BRAI	1 WHEAT			
	CAMP PAR						MAER: 119	
RADIONU	CLIDE	59- 45			DATE PLANTED: 170			
INITIAL	SOIL A	TIVITY	10/3/68	1: 300.50	0	TE EMPREED	1 117	
			NUMBER		COUNTING	SPECIFIC		
NUMBER	PART	(DAYS)	PLANTS	IGR/PLANT)	(GRAMS)	(D/S/GH)	A&U	
11901	SHOOT	24	10	0.0921	0.9209	447.723	2.228+00	
11902	SHOOT	37 53	10 10	0.2402	2.4717	415.219 43.756	1.368+00	
11904	STALK	53	10	0.3919	3.9195	191-094	4.348-01	
11905 11906	LEAVES. HEAD	- <del>53</del> - 71	<u>_10</u>	0-1625 0-9469	7,4687	793.C61 31.829	2.518+60 1.048-01	
11907	STALK			0.6951	4,2510	153.459	5-118-01	
11908	LEAVES	71	10	0.3447	3.4470	441.191	1-478+00	
11910	STALK	10	10	1 <u>,0077</u> 0.4540	10-0767 4-5600	<u>38.247</u> 241.419	1.278-01 8.038-01	
11911_	LEAVES			0.2098	2,0982	58(-383	1.938+00	
11912	HEAD Stalk	94	10 10	1.2750	12.7580 	32.107 	1.078-01	
11914	LEAVES	94	70	0.2573	2.5732	599.958	2.009+00	
11915 11916	STALK	107	230 10	0.4765	<u>17.4929</u> 4.7652	<u> </u>	1.308+00	
11917	LEAVES	107	10	0-1101	1.1004	523.710	1.748+00	
11916	GRAIN Chaff	107	220 220	0.4200 0.0227	20.0000 5.0000	22.721	7.568-02 3.498-01	
				TABLE A-120	1			
							<del></del>	
		1	PLANT UP	TAKE SUMMARY	TARHY			
SOIL:	CAMP PAI	IKS CLA	· · · · · · · · · · · · · · · · · · ·		CC	INTAINER NU	MBER: 120	
- CENTRIN	CLIDE	3r- 92				IE PLANIED	: 170	
INITIAL	SGIL A	TIVITY	10/5/GH	1: 100.50		ITE EMERGED	: 177	
			NUMBER		COUNTING	SPECIFIC		
SAMPLE	PLANT PART	(DAYS)	PLANTS	ORY WEIGHT	DRY WEIGHT	ACTIVITY (D/S/GM)	ASU	
12001	SHOOT .	_ 24	20	0.0394	0.7880	470,510	2.238+00	
12002	SHOCT	37	10	0.1341	1.3410	435.138	1.458+00	
12003	HEAD STALK	- <u>51</u>	10	0.1506 0.2543	1.5056	42.180	2-078-01	
12004	LEAVES	53	_ 10 _	9-1671	2.5625	220,432 703,031	7.348-01 2.348+00	
12006	HEAD	71	10	0.4360	4.3601	42.918	1-438-01	
12007	STALK LEAVES	<del>71</del>	10	0.2021	5.3974 2.8214	<u>154.070</u> 479.197	5.138-01 1.598+00	
12009	HEAD	- 0	10	0.6781	4.7807	88,203	2-949-01	
12010	STALK	80	10	0.4436	4-4375	228.258	7.408-01	
12011	LEAVES HEAD	94	10 10	0.2163	2.1631 10.9907	<del>926.646</del> 40.324	1.758+00 1.348-01	
12013	STALK	94	10	0-4176	4.1761	255.451	4.513-01	
12014 12015	LEAVES HEAD	107	10 185	0.2464	2.4641 11.4173	504.757 34.131	1.958+00	
12016	STALK	107	10	0.4252	4.2516	384.402	1.288+00	
12017	LEAVES GRAIN	107	175	0.1462	1.4823	347.450	1.828+00	
12019	CHAFF	107	175	0.4662 0.0286	20.0000 5.0000	24.790 123.232	8.258-02 4.108-01	

TABLE A-201

			PLANT_UP	TAKE SUMMARY	MHEAT		
SCILI	CAMP PAI	KS GLA	<u> </u>	CONTAINER NUMBER 1 25			
2.2010HU	CLIDE:	55- 65			04	TE PLANTED	: 170
INITIAL	SOIL AS	ILLITE	10/3/68	11 180-80		TE EMERGEO	
			MUMBER		COUNTING	SPECIFIC	
rample Period	PART	(CAYS)	PL ANTS	COMPLANT!	(GRANS)	(D/S/GH)	<u>ura</u>
<u> </u>	SHOOT	24	<u> </u>	0.0427	1.2541		
20102	SHOOT	37	30	0.0747	2.2994	79.701	5.528-0
20103	HEAD		<del>jō</del>	0-2446	2.4455 3.7270	19.171	5.432-0
20104 20105	STALK	23	10 10	0.3727		26.447 91.377	1.052-0
20104	HEAD	<del>- 51</del>	10	0.4235	2.3250 4.2350	15-104	8.408-0
20107	STALK	71	_10	0.7883	7.8633	28.220	1.468-0
20108	LEAVES	71	10	0.3440	1.4399	71.001	3.938-0
20109_	HEAD	ÀÒ	ii	0.4845	7.5300	8.223	4. 558-0
20110	STALK	60	11	0.7520	4.2725	35.045	1-948-0
26111.	LEAVES	80	ii	0.3040	3.3659	64.596	1.474-0
20112	HEAD	94	10	1.1834	11.8340	10.437	5.778-0
20113	STALK	74	_10	C-4444	4.4434	34.073	3-108-0
20114	LEAVES	94	10	0.2798	2.7484	74.794	5.348-0
20115	HEAD	107	44	1.0615	1.2442	10-270	5-448-0
20116	STALK	107	10	0.5619	5.6184	65.350	3.418-0
20117	LEAVES	107		9-1563	1.5433	64.644	3.702-0
20118	HEAD	107	81	1.0728	12.2101	7.404	4.108-0
20119	STALK	107	10	0.4666	4.6655	23,505	1.30A-0
20120	LEAVES	107	10	0.1219	1.2194	217.520	1-20#+0
20121	GRAIN	111	· 127	0.9212	20,0000	44400	1.548-0
20122	CHAFF	110	127	0.0394	5.0000	19.245	1-078-0
20123	Grain	2nd Cro	n n		20 0 00	4,200	2.32× 10

	TABLE A-202										
PLANT UPTAKE SUMPARY: MHEAT											
SGIL: CAMP PARKS CLAY CONTAINER NUMBER:											
RADIONU	CL IDE:	SR- 85			DA	TE PLANTED	170				
<u>initial</u>	SCIL A	TIVITY.	LD/S/GM	1: 160.60		TE EMERGED	1 177				
			NUMBER		COUNT ING	SPECIFIC					
SAMPLE	PLANT	AGE	_ OF	DRY MEIGHT	DRY MEIGHT	ACTIVITY	ASU				
NUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRAMS)	(D/S/GN)					
20201	SHOOT	24	30	0.0945	2.4340	121,675	4.848-0				
20202	SHOOT	37	3 C	0.0976	2.9274	102.980	5.708-0				
<u> </u>	MEAC		10	0.2530	2.5300	12.394	6-868-0				
20204	STALK	53	10	0.4941	4.0615	29.134	1.618-0				
20205	LEAVES		10	0-1752	1.7519	94.041	4-744-0				
20204	HEAD	71	10	0.5464	5.4038	0.122	4.498-0				
20207 20208	LEAVES	<del>-71</del> -	10 10	0-7935 9-3107	7.9347 3-1044	21.942	3-158-0				
2020 <b>0</b> 2020 <b>1</b>	HEAD	80	10	0.3107	5.9344	8.750					
20210	STALK	80	10	9.5070	5.0018	34.558	4.848-0				
20210	LEAVES	80	10	0.1915	1.9150	71.084	3.938-0				
20212	MEAD	94	10	0.9431	9.4304	7.305	4.088-D				
20213	STALK	94	io	0.4153	6.1527	64.801	3-508-0				
20214	LEAVES	94	10	0.2161	2.1609	97.833	5-414-0				
20215	HEAD	107	95	1.0513	9.2105	10.166	5.428-0				
20216	STALK	107	10	0.3640	3.4402	58,992	3-268-0				
20217	LEAVES	107	10	0.1187	1.1071	82.613	4.578-0				
20210	HEAD	107	80	1.0426	11.2307	9.542	5.298-0				
20219	STALK	107	10	0.5940	5.9401	59.537	3.298-0				
20220	LEAVES	107	10	0.1687	1.0867	88.285	4.888-0				
20221	GRAIN	111	140	0.9213	20.0000	5.853	3,244-0				
20222	CHAFF	118	140	0.0357	5.0000	22.902	1.275-0				

	TABLE A-203							
			PLANT UP	TAKE SUMMANY	I RHEAT			
SCILL I	CARP PAI	IKS ELA	<u> </u>			MITAINER MA	MARA: 161	
RADIGNU	CTTOET"	11- 11			0	TE PLANTER	1.70	
INITIAL SCIL ACTIVITY 10/8/8H): 180.80 GATE RHERGED: 17								
SAMPLE	PLANT	AGE	NURSER OF	CRY NEIGHT	COUNT ING	SPECIFIC ACTIVITY	UZA	
NUMBER	PART	(DAYS)		(GR/PLANT)	(GRAMS)	(0/5/6H)		
20301	SHOOT	24	_ په	0.0174	3.3330	142.084	A-948-01	
20302 20303	SHOOT	37 	10	0.1104	3.3134 2.3 <b>0</b> 70	40.017	3.748-01 B-278-02	
20304	STALK	53	10	0.4443	4.4835	24.759	1.376-01	
20305 20304	HEAD	<del>- 53</del> 71	10	0.4124	4.1242	102.932	4-494-01 4-108-03	
20307	LEAVES	71		0.4910	-A-4094	264.576	1-478-61	
20309	HEAD	02	10	0.2384	2.5842 9.0199	73.325	4.068-01	
20310	STALK	80	10	0.7410	7.8897	28.717	1.598-01	
30315 30311	HEAD	- 40	10	1.3070	13.0704	41.181 4.042	3.350-02	
20313	STALK	94	. 10	0.5879	5.6744	50,009	2.178-61	
20314	LEAVES HEAD	94	10	0.2042	2.0423	75.579	4-188-01 5-468-02	
20316	STALK	107	10	6.5059	5.0548	48.577	3.798-01	
20317 20318	HEAD	107	- 10 85	1.0493	14996	104-278	3.778-01 2.308-02	
20314	STALK	107		0.5199	11.8047	4.303 11.778	4.518-02	
20120	LEAVES	107	10	0-1404	1.4043	16.493	9.348-02	
						6.571	1.018-02	
20321	CHAFF	107	145	0.0345 0.0345 TABLE A-204	20.0000 5.0000	13.498	7.584-02	
20321		107	145	0.0345	5.0000	15.691	7.588-02	
20321		167	145	0.0345 TABLE A-204	S.OGGG	13.490	7.588-02	
20321	CHAFF	107	145 PLANT UP	0.0345 TABLE A-204	5.0000 : WHEAT	13.691	7.968-02 NBER: 204	
20321 20322 SCIL: 6	CHAFF	INS CLA	145 PLANT UP	0.0345 TABLE A-204	5.0000 : WHEAT.	13.698	7.568-02 MBER: 204	
20321 20322 SCIL: (	CMAPP  CAMP PAP  CLICE:  SOIL AC	IOT	PLANT UP  TD/S/SM  MUMBER	TABLE A-204 TABLE SUMMARY	S.OGGG	INTALMER MUNICIPALITY PLANTED ATE PHENGED	7.588-02 MBER: 204 : 170	
20321 20322 SCIL: 6	CHAFF	INS CLA	PLANT UP Y	G.0349 TABLE A-204 TAKE SUMMARY	S.OGGO	13.696 INTALMER MU ITE PLANTED	7.568-02 MBER: 204	
20322 20322 SCIL: 6 RADIGHUG INITIAL SAMPLE NUMBER 20401	CMAFF  CAMP PAF  CLIDE: SCIL AC  PLANT PARY SHCOT	IGT  RRS CLA  SR- 45  CTIVITY  AGE (DAYS)	PLANT MP Y  ID/S/GR MUMBER OF PLANTS	TABLE A-204 TABLE SUNMARY  J1 LEGAG  DRY WEIGHT (GM/PLANT)	S. GGGG  : WHEAT.  CC  DA  CGUNTING  DRY WEIGHT  (GRAMS)  3.2740	INTALMER MUNICIPAL PLANTED SPECIFIC ACTIVITY 1075/GR)	7.588-02 MBER: 204 2 170 2 177 ASU	
SCIL: 6 RADIGHUG INITIAL SAMPLE HUMBER 20401	CMAFF  CAMP PAR  CLICE: SCIL AC  PLANT PART SHOOT SHOOT MEAR	IRS CLA SR- 85 CTIVITY AGE (DAYS)	PLANT UP  Y  ID/S/GM  MUMBER  OF  PLANTS  30  30	TABLE A-204 TABLE SUMMARY  J1 LEG.EG  DRY WEIGHT 1GM/PLANT)  G.1091 0.0930	COUNTING DRY MEIGHT (GRAMS)	INTAINER MU INTAINER MU ITE PLANTED LIE EMERGED  SPECIFIC ACTIVITY (D/S/GN)  122,351	7.568-02  NBER: 204  2 170  2 177  ASU  \$ 1828-01  5 108-01	
20322 20322 3CIL: S RADIGHUS IMITIAL NUMBER 20402 20402 20403	CMAFF  CAMP PAR  LIGES  SOIL AG  PLANT PART  SHOOT HEAD STALK	ARS CLASSING AGE (DAYS)	PLANT UP  V  LD/S/SM  MUMBER OF  PLANTS  30  10	G.0349  TABLE A-204  TAKE SUMMARY  J1 189.89  DRY WEIGHT (GM/PLANT)  G.1091 G.2176 G.4097	COUNTING DRY WEIGHT (GRAMS)  3.2740 2.8041 2.1759	INTAINER MUNITE PLANTED  SPECIFIC ACTIVITY (0/5/GR)  123.351 92.212 18.223	7.588-02 RBER: 204 : 170 : 177 ASU 4.828-01 5.108-01 1.968-01	
SCIL: 6 RADIGHUG INITIAL SAMPLE HUMBER 20401 20402 20403 20404 20409	CMAFF  CAMP PAF  CLIDE: SCIL AC  PLANT PART  SHOOT HEAD STALK LEAVES HEAD	IRS CLA SR- 85 CTIVITY AGE (DAYS)	PLANT UP  Y  ID/S/GM  MUMBER  OF  PLANTS  30  30	0.0349  TABLE A-204  TABLE SUNHARY  J1 LEGAG  DRY WEIGHT (GR/PLANT)  0.0936 0.4057 0.1845 0.1948	S.0000  : WHEAT.  CC  DA  CDUNTING DRY WEIGHT (GRAMS)  3.2740 2.8041 2.1739 4.0370 1.8833 3.9982	INTALMER NUMBER OF SPECIFIC ACTIVITY. (D/S/GN)  123.351  123.352  123.353  123.353	7.588-02  MBER: 204  2.170  2.177  ASU  4.828-01  1.08-01  1.918-01  1.548-01	
SCIL: ( RADIGNUS INITIAL SAMPLE NUMBER 20401 20403 20403 20404 20404 20406	CAMP PAR  CLICE: SOIL AC  PLANT PART  SHCOT SHOOT MEAD STALK LEAVES MEAD STALK	107  ARS CLA SR- 95 CTIVITY  AGE (DAYS)  24 37 53 53 71 71	PLANT UP  SPLANT UP  LD/S/SM  MUMBER OF PLANTS  10 10 10 10 10	G.0349  TABLE A-204  TAKE SUMMARY  J1 LEG.EG  DRY MEIGHT (GM/PLANT)  G.1091 G.2176 G.2176 G.3948 G.3948	S.0000  : WHEAT.  CS  DA  COUNTING  DRY WEIGHT  (GRAMS)  3.2740 2.8041 2.1755 4.0570 1.8252 3.7482 8.3892	13,698  INTAINER NU ITE PLANTED  ATE PLANTED  ATTIVITY (0/3/GR)  122,351 92,215 18,290 20,225 92,217 11,387	7.568-C2  NBER: 204  1 170  1 177  ASU  0.108-01 1.018-01 1.568-01 1.508-02 1.018-01	
20322 20322 3C1L: S RADIGNUS INITIAL 10402 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20404 20403 20403 20403 20403 20403	CMAFF  CAMP PAF  CLIDE: SCIL AC  PLANT PART  SHOOT HEAD STALK LEAVES HEAD	107  ARS CLA  SR- 45  CTIVITY  AGE  TOAYS)  24  37  37  37  71	PLANT MP  Y  ID/S/SM  MMBER  GF  PLANTS  30  10  10	G.0349  TABLE A-204  TABLE SUMMARY  J1 LEG.EG  DRY WEIGHT  1GH/PLANT)  G.1091  G.2176  G.4087  G.1848  G.23346  G.23346	\$.0000 : WHEAT. 	13.698  INTALMER NUMBER PLANTER  ITE PLANTER  SPECIFIC ACTIVITY (0/5/GR)  122.251 92.212 18.220 20.225 11.327 28.018 40.560	7.588-02 MBER: 204 2 170 2 177 ASU 4.828-01 1.018-01 1.018-01 1.968-01 1.968-01 1.988-02 1.528-01 4.498-01	
20322 20322 SCIL: 6 RADIGHUS INITIAL SAMPLE NUMBER 20402 20403 20403 20404 20404 20405 20405 20408 204	CMAFF  CAMP PAF  CLIDE: SOIL AC  PLAHT PART  SHOOT MEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK STAL	107  ARS CLA  SR- 85  TIVITY  ACE (DAYS)  24  37  37  71  71  80	PLANT UP  Y  ID/S/GM  MUMBER  OF  PLANTS  10  10  10  10  10  11  11	G.0349  TABLE A-204  TAKE SUMMARY  J1 LEG.EG  DRY MEIGHT (GM/PLANT)  G.0935 G.2376 G.4057 G.1845 G.37 G.1945 G.2336 G.7.37 G.4455	S.0000  : WHEAT.  COUNTING DRY WEIGHT (GRAMS)  3.2740 2.8041 2.1755 4.0570 1.8875 3.7482 8.5892 2.5942 8.3132 9.2570	13.698  INTALMER MAN THE PLANTED THE EMERGED  SPECIFIC ACTIVITY (0/5/GM)  123.251 92.212 18.219 28.225 11.307 28.012 60.550 1.327 38.227	#8ER: 204 2 170 2 177  ASU 4.828-01 1.918-01 1.918-01 4.928-01 4.928-01 2.128-02 1.4498-01 9.128-02	
20322 20322 3C1L: S RADIGNUS INITIAL 10402 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20404 20403 20403 20403 20403 20403	CMAFF  CAMP PAR  CLICES  SOIL AC  PLANT PART  SHOOT MEAD STALK HEAVES HE	107  ARS CLA SR- 45 SILVITY  AGE (DAYS)  71 71 80	PLANT MP  Y  *********************************	0.0349  TABLE A-204  TABLE SUNHARY  J1 LEG.EG  DRY MEIGHT (GR/PLANT)  0.0936 0.2176 0.4057 0.1845 0.1948 0.2536 0.7 37 0.4415 0.2615	S.0000  : WHEAT.  COUNTING DRY WEIGHT (GRAMS)  3.2740 2.8041 2.1755 4.0570 1.8825 3.7482 2.5942 4.3132 9.2570 3.1511	13.698  INTALMER MUNITE PLANTED  ALE EMERGED  SPECIFIC ACTIVITY (0/5/68)  123.351 92.212 18.210 28.225 92.412 18.210 28.225 92.412 30.205 93.227 30.257 94.412	4.828-01 \$ 170 1 177 45U 4.828-01 5.108-01 1.918-01 4.928-01 4.938-01 4.458-02 2.128-01 5.138-01	
20322 20322 20322 SCIL: 6 RADIGHUG INITIAL 10401 20402 20403	CMAFF  CAMP PAF  CLIDE: SCIL AG  PLANT PARY  SHOOT HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK STAL	107  ARS CLA  SR- 45  ST 17  ST 24  ST 27  T1  AGE  GG 60  GG 64	146  PLANT MP  Y  ***COLOR TO THE TENT OF	G.0349  TABLE A-204  TABLE SUNMARY  J1 LEG.EG  DRY WEIGHT  IGM/PLANT)  G.1021  G.0210  G.2170  G.4057  G.1845  G.3737  G.9415  G.2185  L.1161  G.5228	S.0000  I WHEAT.  COUNTING DRY MEIGHT (GRAMS)  3.2740 2.8091 2.1755 4.0970 1.8892 2.9842 8.3132 9.2570 3.1911 11.1007 5.8275	13.698  INTALMER NUMBER PLANTER  INTE PLANTER  SPECIFIC ACTIVITY (0/5/GR)  123.251 92.215 18.240 28.225 11.367 28.018 90.257 96.257 96.257 96.257 96.257	4.828-01 5.108-01 1.018-01 1.018-01 1.968-01 9.138-02 1.558-01 9.148-02 2.128-01 4.458-02 2.128-01 4.958-02	
20322 20322 3C1L: S RADIGNUS INITIAL 10402 20402 20403 20403 20403 20404 20403 20403 20403 20403 20403 20403 20403 20403 20404 20413 20413 20413 20413	CMAFF  CAMP PAR  LIOES  SOIL AC  PLANT PART  SHOOT MEAU STALK LEAVES MEAU LEAV	107  ARS CLA SR- 95 CILVITY  AGE (DAYS)  71 71 71 80 90 94	PLANT UP  Y  *********************************	G.0349  TABLE A-204  TABLE SUMMARY  J1 LEG.EG  DRY MEIGHT (GM/PLANT)  G.1091 G.2176 G.2176 G.2376 G.2389 G.2336 G.2465 G.2465 G.2465 G.2465 G.2465 G.2465 G.2465 G.2465 G.2465	S.0000  : WHEAT.  COUNTING DRY WRIGHT (GRAMS)  1.2740 2.8041 2.1735 4.0570 1.8825 3.7482 8.3812 9.2570 3.1811 11.1007 5.8270 2.0045	13.698  INTAINER MU ITE PLANTED ALE EMERGED  SPECIFIC ACTIVITY (0/5/GR)  122.351 92.212 18.229 18.225 92.472 11.307 28.025 93.227 94.472 96.257 96.457 97.472 97.472	7.588-02 7.588-02 170 2 177 2 177 ASU 4.828-01 5.108-01 1.588-02 1.588-02 1.438-01 4.438-02 2.128-01 4.438-02 2.128-01 4.438-02 2.128-01 4.438-02 3.228-01 4.438-03	
20322 20322 3CIL: S RADIGHUS INITIAL 10402 20402 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20404 20413 20414 20414 20414	CMAFF  CAMP PAR  CLIOES  SOIL AS  PLANT PART  SHOOT HEAQ STALK LEAVES HEAD STALK STALK LEAVES HEAD STALK STA	107  185 CLA  188 CLA	PLANT MP  Y  MUMBER OF PLANTS  30 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0349  TABLE A-204  TABLE SUNMARY  J1 LEG.EG  DRY MEIGHT (GR/PLANT)  G.1091 0.0936 G.2116 0.4097 G.1845 G.2946 G.2936 G.7.37 G.2415 1.1161 G.5928 0.2004 L.9225 0.0570	S.0000  S.0000  LANCE OF THE PROPERTY OF THE P	13.698  INTAINER MUNITE PLANTED  ILE PLANTED  SPECIFIC ACTIVITY (0/3/GR)  123.351 92.212 18.210 28.225 91.372 18.210 9.327 36.257 96.257	######################################	
20322 20322 20322 SCIL: (RADIGHUS INITIAL SAMPLE NUMBER 20402 20403 20404 20403 20413 20413 20413 20413 20413 20413 20413 20414	CMAFF  CAMP PAF  LIOE:  SOIL AC  PLAHT PART  SHOOT MEAD STALK LEAVES	107  IRS CLA  SR - 45  ITIVITY  ACE (DAYS)  24  37  71  71  80  80  80  94  94  94  107  107	146  PLANT UP  Y  ID/S/GM  MUMBER  OF  PLANTS  10  10  10  10  10  11  11  10  10  1	G.0349  TABLE A-204  TAKE SUMMARY  DRY MEIGHT (GM/PLANT)  G.1021 G.02376 G.2376	S.0000  LAMEAT.  COUNTING DRY WEIGHT (GRAMS)  1.2740 2.8041 2.1735 4.0570 1.8825 3.7482 2.9362 8.3132 2.270 3.1511 11.107 5.8275 2.0045 8.1603 6.5701 1.4725	13.698  INTALMER NUMBER OF PLANTED VIE RHERGED VIE RHERGED VIE RHERGED VIE RHERGED VIE RHERGED VIE	#8ER: 204  170  177  ASU  4.828-01  1.918-01  1.918-01  4.438-01  4.438-01  2.128-01  3.128-01  3.288-01  3.288-01  3.288-01  3.288-01  3.498-02  3.288-01  3.498-02  3.498-02	
20322 20322 3CIL: S RADIGHUS INITIAL 10402 20402 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20404 20413 20414 20414 20414	CMAFF  CAMP PAF  CLIOR: SOIL AG  PLANT PART  SHOOT MEAU STALK LEAVES HEAD STALK STALK LEAVES HEAD STALK STAL	107  IRS CLA  SR- 45  ITIVITY  AGE (DAYS)  24  37  71  71  60  60  64  44  44  41  107  107	PLANT NP  Y  *********************************	G.0349  TABLE A-204  TAKE SUNHARY  J1 LEGAG  DRY MEIGHT 1GM/PLANT)  G.1091 G.0930 G.2174 G.4957 G.1865 G.3948 G.2530 G.2134 G.255 G.2044 LG255 G.26570 G.1672	S.0000  S.0000  LANCE OF THE PROPERTY OF THE P	13.698  INTALHER MU ITE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (10/5/GR)  123.251 92.212 18.290 28.225 92.812 18.291 38.257 96.6412 98.291 95.691 11.6971 95.692 79.691 11.6977	7.588-02 7.588-02 REFE: 204 2 170 2 177 65U 65U 6.828-01 1.018-01 1	
20322 20322 3CILI ( RAPIGHUG INITIAL 10003 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20403 20413	CMAFF  CAMP PAF  CLIDE:  SOLL AC  PLANT PART  SHOOT HEAD STALK LEAVES HEAD	107  ARS CLA  SR - 45  TIVITY  ACE (DAYS)  24  37  71  71  80  80  80  94  94  94  107  107	146  PLANT UP  Y  ID/S/GM  MUMBER  OF  PLANTS  10  10  10  10  10  11  11  10  10  1	G.0349  TABLE A-204  TAKE SUMMARY  DRY MEIGHT (GM/PLANT)  G.1021 G.02376 G.2376	S.0000  LAMEAT.  COUNTING DRY WEIGHT (GRAMS)  1.2740 2.8041 2.1735 4.0570 1.8825 3.7482 2.9362 8.3132 2.270 3.1511 11.107 5.8275 2.0045 8.1603 6.5701 1.4725	13.698  INTALMER NUMBER OF PLANTED VIE RHERGED VIE RHERGED VIE RHERGED VIE RHERGED VIE RHERGED VIE	7.988-02  NBER: 204  1170  1177  ASU  4.828-01  1.918-01  1.918-01  4.138-01  4.138-01  2.128-01  3.128-01  3.128-01  3.128-01  3.128-01  3.128-01  3.128-01  3.128-01  3.128-01  3.128-01  3.128-01  3.128-01	

TABLE A-205

				TABLE 4-247			
	<b>~</b>	£	LANT UP	TAKE SURMARY	CORN	·- ·- ·- ·-	
SEILI	CAMP PAP	KS_CLAY	<u> </u>			MTAINER NU	1888: 203
RADICNU	LLIDE	in- 05		DATE PLANTED: 170			
INITIAL	SOIL AC	TIVITY	ID/S/GH	0			
			NUMBER	·	COUNTING	SPECIFIC	
SAMPLE NUMBER	PART	(DAYS)	PLANTS	(GH/PLANT)	GRAMS)	(D/S/SH)	ASU
20501	SHOOT	24	10	0-1929	1.9790	291.941	1.618+00
20502 20503	STALK	37 37	_ ;	1.3743	1.6200 3.1754	154.286	4.498-01 4.498-01
20504	LEAVE 5	53	2	13.2430	4.9240	154.384	4.548-01
<u> 20505</u> 20506	TASSEL	<u>93</u> 71	- 1	7.5225	7 <u>.3950</u> 7.5225	24.545	7.178-01 1.478-01
20507	STALK		1_	******	5,5325	149.743	1.282-01
20508 20509	LEAVES TASSEL	71 40	1	17-8457 2-9456	10.1757 2.9654	47.604	2.438-01 1.848-01
20510	STALK	80	1	31.0094	7.8094	23.432	1.328-01
20511 20512	<u>LEAVES</u> EAR		<del></del>	21-0706 4-4559	5.3006 6.6559	13.996	7.748-02
20513	SILK	0		1-7750	1.7790	10.670	5.908-02
20514 20515	HUSK TASSEL	10 14	1	18,1184	7.1086 3.4350	7.688	4.258-02 2.878-01
20514	STALK	94	<u> </u>	12.9305	5.9105	25.244	1.404-01
20517 20518	SILK	94		23.7173 1.1525	4.9273	178.961 9.753	9.908-01 5.398-02
20519	HUSE		<u>    i                                </u>	21.4453	21.4453	8-360	4.648-02
20920	KENNET.	94	1	18.3357	14.3357	2-102	1.168-02
20521 20522	TASSEL	107	1	21.0398 2.2092	2,2052	7-270 42.313	4-028-02 2-348-01
20523	STALK	107		11-9150	10-4150	13.239	1-848-01
			<del></del> -				
20524	LEAVES	107	1	46.2236	3.4136	197.571	1-098+00
20524 20525 20526	LEAVES SILK HUSK	107 107 107	1	40.2236 0.4423 11.6478	3.4136 0.4423 11.6478	197.571 20.854 7.759	1-158-01
20524 20525 20526 20527	LEAVES	107 107 107 107		46.2236	3.4136 0.4423	197.571 20.854	1-158-01 4-298-02 4-718-03
20524 20525 20526 20527	LEAVES SILK HUSK KERNEL	107 107 107 107		48.2236 0.4423 11.6478 24.5712	3.4136 0.4423 11.0478 24.5712 13.2313	197-571 20-854 7-759 1-213 5-426	1-158-01 4-298-02 4-718-03 3-008-02
20524 20525 20526 20526 20527 20528	LEAVES SILK MUSK KERNEL GOR	107 107 107 107 107	PLANT U	40.2236 0.4643 11.6478 26.3712 18.2333 TABLE A-30	3-4136 0-4423 11-6478 24-5712 13-2313	197.571 20.856 7.759 1.213 5.426	1.158-01 4.293-02 4.213-03 1.003-02
20524 20525 20526 20526 20527 20528	LEAVES SILK HUSK KERNEL GOR	107 107 107 107 107 107 107	PLANT U	46.2236 0.4423 11.6476 24.5712 12.2313 TABLE A-30 PTAKE SURMAR	3.4136 0.4423 11.6478 24.5712 13.2313	197, 571 20, 834 7, 759 1, 213 3, 426	1.157-01 9.298-02 9.718-03 3.008-02
20524 20525 20526 20527 20527 20528	LEAVES SILK HUSK KERNEL COR HANFOR	107 107 107 107 107 107 107	PLANT U	40.2236 0.4643 11.6478 26.3712 18.2333 TABLE A-30	3.4136 0.4423 11.6478 24.5712 13.2313	197, 571 20, 834 7, 759 1, 213 3, 426	1-13-01 298-02 713-03 713-03 
20524 20525 20526 20527 20527 20528	LEAVES SILK HUSK KERNEL COR HANFOR	107 107 107 107 107 107 107	PLANT U	46.2236 0.4623 11.6476 24.5712 12.2313 TABLE A-30 PTAKE SURMAR	3.4136 0.4423 11.6478 24.5712 13.2313	197, 571 20, 834 7, 759 1, 213 3, 426	1-13-01 298-02 713-03 713-03 
20924 20525 20924 20927 20927 20928 SCILI	LEAVES SILK HUSK KERNEL COR HANFOR	107 107 107 107 107 107 107 107	PLANT U	46.2236 0.4621 11.6478 24.5712 13.2331 TABLE A-30 PTAKE SUMMAR AR	3.4136 0.4423 11.6478 24.5712 13.2313 1 Y: MMEAT COUNTING DRY MEIGHT	197.571 20.834 7.759 1.213	137-01   1-298-02
20924 20924 20924 20927 20927 20928 SOIL:	LEAVES SILK HUSK KERNEL COR HANFOR	107 107 107 107 107 107 197	PLANT U	40.2236 0.4423 11.6478 26.5712 12.2333 TABLE A-30 PTAKE SUMMAR	3-4134 0-4423 11-6478 24-5712 13-2313	197.571 20.834 7.759 1.213 2.426  GNTAIMEP NOTE PLANTE: ATE EMERGE	1138-01 1-298-02 1-718-03 1-808-02 UMBER: 301 C: 179 0: 177
20924 20525 20924 20924 20927 20528 SCILI RADIGN INITIA SAMPLE NUMBER	LEAVES SILK HUSK KERNEL COR HANFORE UCLIDE: L SCIL A PLANT PART SHCOT	107 107 107 107 107 107 107 107 107 107	PLANT U  CLAY LO  ( IC/S/G  NUMBER  OF  PLANTS	46.2236 0.4623 11.6478 26.5712 12.2313 TABLE A-30 PTAKE SUMMAR AR Mil 115.10 DRY MEIGHT (GM/PLANT)	3-4134 0-4423 11-6478 24-5712 13-2313 1  YI WHEAT  COUNTING DRY WEIGHT (GRAMS)	QNTAIMEP NOTE EMERGE	113-01 1-298-02 1-11-03 1-10-03 1-00-02 UMBER: 301 C: 179 C: 179 
20924 20525 20526 20924 20527 20528 SCIL: RADIGN INITIA SAMPLE NUMBER 30101 30102	LEAVES SILK HUSK KERNEL COR HANFORS UCLIDE: PART PART SHCOT SHCOT LEAVES	107 107 107 107 107 107 107 107 107 107	PLANT U  CLAY LC  LC/S/G  NUMBER  OF  PLANTS  20  12	40.2236 0.4643 11.6478 26.3712 18.2312 TABLE A-30 PTAKE SUMMAR AR M)1 115.10 DRY LEIGHT (GM/PLANT)	3.4136 0.4423 11.6478 24.5712 13.2313 1 YI MHEAT  COUNTING DRY MEIGHT (GRAMS)	ONTAIMER NO ATE PLANTE:  SPECIFIC ACTIVITY (D/S/GM)	113-01 -298-02 -712-03 -712-03 -712-03 -808-02 
20924 20924 20924 20924 20927 20928 30111 BADION 16111A 16111A 16101 30102 30102 30103	HANFORE LSCIL PLANT PART SHCGT SHCGT SALE LSTAL STALE	107 107 107 107 107 107 107 107 107 107	PLANT W  CLAY LC  ( IC/S/G  NUMBER  CP  PLANTS  20  12  10	46.2236 0.4621 11.6478 26.5712 12.2312  TABLE A-30  PTAKE SUMMAR  AM  DRY LEIGHT (GM/PLANT)  0.0787 0.1798 0.0952 0.1323	3.4136 0.4423 11.6478 24.5712 13.2313 1 Y: WHEAT Y: WHEAT COUNTING DRY MEIGHT (GRAMS) 2.1573 0.4318 1.3230	197.571 20.834 7.759 1.213	1138-01 4-298-02 5-718-03 3-008-02 UMBER; 301 0: 179 0: 177 ASU 4-285-00 5-938-00 6-518-00 1-918-00
20924 20924 20924 20924 20927 20928 SCILI RADIGN INITIA SAMPLE NUMBER 30102 30102 30103 30104 30103	LEAVES SILK HUSK KERNEL COR HANFORS UCLIDE: PART PART SHCOT SHCOT LEAVES	107 107 107 107 107 107 107 107 107 107	PLANT U  CLAY LC  LC/S/G  NUMBER  OF  PLANTS  20  12	40.2236 0.4643 11.6478 26.5712 12.2313 TABLE A-30 PTAKE SUBMAR M11 115.10 DRY hEIGHT (GM/PLAMT) 0.0787 0.1798 0.0992	3.4134 0.4423 11.6478 24.5712 13.2313 1 1 Y: WHEAT COUNTING DRY MEIGHT (GRAMS) 2.15736 2.1573 0.4918	ONTAIMER NOT SPECIFIC ACTIVITY (D/S/GH)	1138-01 4-298-02 5-718-03 3-008-02 UMBER; 301 0: 179 0: 177 ASU 4-285-00 5-938-00 6-518-00 1-918-00
20924 20925 20924 20927 20928 20928 30121 8ADIGN 16111A SAMPLE NUMBER 30102 30103 30104 30104 30106 30106	HANFORE  WISK  KERNEL  COR  HANFORE  WELIDE:  SCIL  PLANT  PART  SHCGT  LEAVE:  STALK  HEAD  HEAD  STALK	107 107 107 107 107 107 107 107 107 107	PLANT U  CLAY LG  NUMBER  OF  PLANTS  10  10  10	40.2236 Q.4431 11.6478 24.3712 12.2312  TABLE A-30 PTAKE SUMMAR  M11 115.1Q  DRY MEIGHT (GM/PLANT) Q.4737 Q.1790 Q.4952 Q.4063 Q.1188 Q.40629	3.4136 0.4423 11.6478 24.5712 13.2313  1  YI MHEAT  COUNTING DRY MEIGHT (GRAMS)  2.1573 0.4218 1.3230 0.4850 1.1875 0.48286	197.5711 20.834 7.759 1.213 7.690 1.213 7.690 1.213 7.690 1.213 1.220 1.	113-01 4-298-02 8-718-03 3-908-02 UMBER; 301 0: 179 0: 177 ASU 6-285-00 6-518-00 1-918-00 1-918-00 1-188-00 2-708-02
20524 20525 20525 20526 20526 20528 SCIL: RADIGN INITIA SAMPLE NUMBER 30101 30102 30103 30104 30106 30106 30107 30106	LEAVES SILK MUSK KERNEL COR  MANFORS  UCLIDE: SCIL / PART PART SHOOT LEAVES STALK MEAD STALK HEAD STALK LEAVES	107 107 107 107 107 107 107 107 107 107	CLAY LC  LC/S/G  NUMBER  OF  PLANTS  20  10  10  10  10	40.2236 Q.4431 11.6478 26.5712 12.2312 TABLE A-30 PTAKE SUMMAR  M11 115.10  DRY hEIGHT (GM/PLANT) Q.Q787 Q.1798 Q.Q922 Q.1223 Q.Q485 Q.Q322 Q.Q485 Q.Q320 Q.Q340	3.4134 0.4423 11.6478 24.5712 13.2313 1  YI MHEAT  COUNTING DRY MEIGHT (GRAMS) 1.3230 0.4518 1.3230 0.4519 0.3286 0.3397	197.571 20.834 7.759 1.213 2.426 2.426 CONTAINER NO ATE PLANTE: ATE EMERGE: SPECIFIC ACTIVITY (D/S/GH) 722.603 62.837 749.712 220.523 131.226 593.680	138-01 -298-02 -718-03 -718-03 -718-03 -808-02 -918-00 -518
20924 20924 20924 20924 20927 20928 30928 30101 30104 30104 30104 30106 30108 30108 30108 30108 30108 30108 30108	HANFORE  HANFORE  LEAFT  HANFORE  LEAFT  PART  SHCOT  LEAFE  STALK  MEAD  HEAD  STALK  HEAD	107 107 107 107 107 107 107 107 107 107	CLAY LG	40.2236 Q.4643 11.6478 26.3712 12.2312 TABLE A-30 PTAKE SUMMAR  M)1 115.10  DRY hEIGHT (GM/PLANT) Q.4787 Q.1798 Q.4952 Q.1021 Q.4045 Q.1028 Q.4289 Q.0391	3.4134 0.4423 11.6478 24.5712 13.2313 1  Y: MHEAT  COUNTING DRY MEIGHT (GRAMS) 1.5734 2.1573 0.4918 1.3230 0.4650 1.1075 0.6226 0.3397 1.3256 0.5709	197.571 20.834 7.759 1.213 2.4026 DNTAIMER NO ATE PLANTE: ATE EMERGE: ATE EMERGE: 42.603 42.607 72.603 42.603 182.182 183.482 593.680 214.202 784.033	L158-01 4-298-02 3-718-03 3-808-02 UMBER: 301 C: 179 0:177 ASU 6-285-00 1-918-00 1-518-00 1-188-00 1-188-00 1-188-00 6-858-00 6-858-00
20924 20924 20924 20924 20927 20928 20928 SCIL1 RADIGN 16171A 16171A 30104 30104 30106 30107 30108 30109 30110	MANFORE MANFOR	107 107 107 107 107 107 107 107 107 107	CLAY LQ  LG/S/G  NUMBER  PLANT U  LO  LO  LO  LO  LO  LO  LO  LO  LO  L	46.2236 0.4643 11.6478 26.5712 12.2313  TABLE A-30  PTAKE SUMMAR  AN  DRY hEIGHT (GM/PLANT)  0.0727 0.1798 0.4922 0.1323 0.0063 0.0026 0.0040 0.0040 0.00256	3.4136 0.4423 11.6478 24.5712 13.2313 1 1 YI MHEAT YI MHEAT YI MHEAT QRY MEIGHT (GRAMS) 2.1573 0.4216 1.3230 0.4850 0.3397 1.3236 0.5009 0.2285	197.571 20.834 7.759 1.213 7.459 1.213 7.459 1.213 7.4526  ONTAIMER NO ATE PLANTE: ATE EMERGE  SPECIFIC ACTIVITY (D/S/GH) 722.603 482.637 749.112 220.523 182.189 135.4202 788.033 897.624	138-01 4-298-02 5-718-03 3-008-02 UMBER; 301 0: 179 0: 177 ASU 4-285-00 5-918-00 4-518-00 1-918-00 1-188-00 4-818-00 6-818-00 6-818-00 6-818-00 6-818-00
20524 20525 20524 20525 20526 20528 20528 20528 30101 30102 30102 30104 30103 30104 30103 30104 30103 30104 30103 30104 30103 30104 30103 30104 30103 30104 30103	HANFORE  MANFORE  MAN	107 107 107 107 107 107 107 107 107 107	CLAY LO  CLA	40.2236 Q.4431 11.6478 26.5712 12.2312 TABLE A-30 PTAKE SUMMAR  M11 115.10  DRY hEIGHT (GM/PLANT) Q.Q787 Q.1798 Q.Q922 Q.1228 Q.Q022 Q.1246 Q.Q326 Q.1246 Q.Q326 Q.0256 Q.0256 Q.0256	3.4134 0.4423 11.6478 24.5712 13.2313 1  YI MHEAT  COUNTING DRY MEIGHT (GRAMS) 1.3230 0.4518 1.3230 0.4519 0.3285 0.3297 1.1856 0.3397 1.1856 0.5444	197.571 20.834 7.759 1.213 7.459 1.213 7.459 1.213 7.459 1.213 1.220 7.459 7.459 7.4	138-01 -298-02 -718-03 -718-03 -718-03 -808-02 -818-00 -518
20524 20525 20525 20526 20526 20526 20528 20528 30528 30102 30103 30104 30109 30109 30109 30109 30101 30113 30113	HANFORE  WERNEL  COR  HANFORE  WELTER  SCIL  PLANT  PART  SHCOT  STALK  LEAVE:  HEAD  LEAVE:  HEAD  STALK  LEAVE:  HEAD	107 107 107 107 107 107 107 107 107 107	CLAY LG	## - 22 3 6 ## - 20 - 64 3 1 ## - 20 - 64 3 1 ## - 20 - 20 3 1 ## - 20 3	3.4136 0.4423 11.6478 24.5712 13.2313 1 1 YI MMEAT VI MMEAT COUNTING DRY MEIGHT (GRAMS) 1.3736 2.1573 0.4218 1.3230 0.6850 1.1875 0.3397 1.2366 0.3397 1.2366 0.5909 0.2285 6.9643 0.5943 0.5943 0.5943 0.5943	197.571 20.834 7.759 1.213 3.426 2.426	138-01 9-298-02 9-718-03 3-808-02 1-808-02 1-908-02 1-79 1-
20524 20525 20525 20526 20526 20528 20528 30528	HANFOR   107 107 107 107 107 107 107 107 107 107	CLAY LO  ( IC/S/G  NUMBER  ( IC/S/G  NUMBER  10  10  10  10  10  10  10  10  10  1	4+.2234 11.6478 24.3712 11.6478 24.3712 12.2312  TABLE A-30  PTAKE SUMMAR  Ah  Mil 115.10  DRY HEIGHT (GM/PLANT)  0.0787 0.1798 0.0992 0.0340 0.0391 0.0256 0.0651 0.0655 0.0653	3.4136 0.4423 11.6478 24.5712 13.2313 1 1 Y: WHEAT Y: WHEAT Y: WHEAT COUNTING DRY WEIGHT (GRAMS) 2.1573 0.4218 1.3230 0.4650 1.1875 0.5704 0.5704 0.5704 0.5704 0.1872 3.4664 0.1872 3.4664 0.1872	197.571 20.834 7.759 1.213 7.426 1.213 7.426 2.4	138-01 4-298-02 6-718-03 3-808-02 3-808-02 	
20525 20525 20526 20526 20526 20528 20528 30528 30101 30102 30104 30106 30106 30107 30108 30109 30109 30109 30103	HANFORS  HANFORS  HANFORS  HEANT  PLANT  PART  PART  HEANT	107 107 107 107 107 107 107 107 107 107	CLAY LC  LCAY LC  LCA	## - 2236 ## - 2336 ## - 2	3.4134 0.4423 11.6478 24.5712 13.2313 1  Y: MHEAT  COUNTING DRY MEIGHT (GRAMS) 1.3230 0.4450 1.1875 0.8286 0.3397 1.3856 0.9643 0.5749 0.1852 0.1872 0.1872	197.571 20.834 7.759 1.213 7.690 1.213 7.690 1.213 7.690 1.213 7.690 1.2191 1.2	######################################

TABLE A-3G2

			PLANT UP	TAKE SUMMARY	: WHEAT		
SCILI	HANFORD	SANDY	CLAY LOA	<u> </u>		MYAINER NU	MAERI JOZ
RADICNU	CLIDE	SR- 45		DATE PLANTED: 179			
THITTAL	SCL A		10/8/6N	11_115.10		TE EMERGEO	
THETAN			14/4/45			ILE SERVICE	
			NUMBER		COUNTING	SPECIFIC	
SAMPLE	PLANT	AGE	OF	DRY WEIGHT	DRY WEIGHT	ACTIVITY	ASU
NUMBER	PART	(SAAZ)	PLANTS	(GR/PLANT)	(GRANS)	(D/S/GH)	
30201	SHOOT	22	10	0.1030	3-0913	157.753	6-588+00
30202	SHOCT	36	10	0.1195	2.1504	036.077	7.278+00
30203	LEAVES	9		0.0399			2-798+00
30204 30205	STALK HEAD	49	10 10	0.0987	0.9871 0.6492	131.348	1-148+00 7-048-01
30206	HEAD	65	10	0.1442	1.4424	96.134	8.358-01
30207	STALK	65	<u> 10 </u>	9-9771	0.7797	_422,414_	-1-678+00
3020 <b>8</b> 30209	LEAVES HEAD	65 7 <b>4</b>	10 10	0.0324	0.3241 1.4342	573.691 160.942	4.998+00 1.408+00
30210	STALK	76	10	0.0436	0.6364	457.759	5-718+00
30211	LEAVES		10_	0.0264	0.2642	911-110	7-928+00
30212 30212	STALK	95	10	0.1070	5.5616 0,6226	150.945 560.591	1.318+00
30214	LEAVES	99	10	0.0147	0.1472	824.200	7-148-00
10215	HEAD			9.9174		204.104_	1-798+00
30216 30217	STALK LEAVES	99	10 10	0.0402	0-6017 0-1829	936.734	8.148+00 8.328+00
30214	GRAIN	99	i	20.0000	20,0000	101.316	8.608-01
			6, 4MT 118	TABLE A-303			
			PLANT UP		I MHEAT		
SOILS	HANFORD		PLANT UP	TAKE SUMMARY	11 WHEAT	INTALMER NU	MBER: 303
	NANFORD	SANDY	CLAY LOA	TAKE SUMMARY	I WHEAT	NTAINER NU	
RADIONU	CL IDE:	SANDY SR- 85	CLAY LOA	TAKE SUMMARY	I WHEAT	INTALNER NU	1 179
RADIONU	CL IDE:	SANDY SR- 85	CLAY LOA	TAKE SUMMARY	CC CC QQ	ONTALMER NU LTE PLANTED LTE EMERGED	1 179
RADIONU	SOIL A	SANDY SR- 85	CLAY LOA	TAKE SUMMARY	L PHEAT CO	INTALMER NU TE PLANTED TE EMERGED SPECIFIC	1 179
RACIONU	CL IDE:	SAMDY SR- 05 CTIVITY AGE	CLAY LOA	TAKE SUMMARY	CC CC QQ	ONTALMER NU LTE PLANTED LTE EMERGED	1 179
RACIONU INITIAL SAMPLE AUMBER	SOIL A	SAMDY SR- 05 CTIVITY AGE (DAYS)	CLAY LOA  LD/S/GM  NUMBER  OF  PLANTS	TAKE SUMMARY  1: 112.10  ORY BEIGHT (GR/PLANY)	COUNTING DRY MEIGHT (GRANS)	SPECIFIC ACTIVITY	1 179 1 177 ASU
RACIONU INITIAL SAMPLE AUMBER	SQIL A  PLANT PART  SHOOT	SANDY SR- 85 CTIVITY AGE (DAYS)	CLAY LOA  LD/S/GM  NUMBER  GF  PLANTS	TAKE SUMMARY  M.  J: 115.10  ORY BEIGHT (GH/PLANY)	COUNTING DRY MEIGHT	ATE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GM) 368.636	1 179 1 177 ASU
RACIONU INITIAL SAMPLE AUMBER	SOIL A  PLANT PARY  SHOOT	SANDY SR- 82 CTIVITY AGE IDAYS1	CLAY LOA  LD/S/GM  NUMBER  OF  PLANTS	TAKE SUMMARY  M	COUNTING DRY MEIGHT (GRANS)	SPECIFIC ACTIVITY (D/S/GM)	1 179 1 177 ASU 4.948-00 2.248-00
SAMPLE AUMBER 30301 30302 30303 30304	PLANT PART SHOOT LEAVES STALK	SANDY SR- 85 CTIVITY AGE IDAYS1 22 36 49	CLAY LOA  LD/S/GM  NUMBER  OF  PLANTS  10  20  10	DRY LEIGHT (GM/PLANY)  0.1011 0.1050 0.0459 0.1240	COUNTING DRY WEIGHT (GRAHS)  LOLO 2-1002 0-4385 1-2895	SPECIFIC ACTIVITY (D/S/GM)  58.636 259.766 389.514	1 179 1 177 ASU 4.948+00 2.248+00 3.368+00 1.228+00
SAMPLE NUMBER 30301 30302 30303 30304 30305	PLANT PART SHOOT SHOOT LEAVES STALK MEAD	\$8- 85 CTIVITY AGE (DAYS) 22 36 49 49	CLAY LOA  ID/S/GM  NUMBER  GF  PLANTS  10  20  10  10  10	TAKE SUMMARY  M	COUNTING DRY WEIGHY (GRAMS)  LD10 2-1002 0-4385 1-2895 0-4425	SPECIFIC ACTIVITY (D/S/GM)  288.626 239.766 389.514 139.696	1 179 1 177 ASU 4.948+00 2.248+00 1.328+00 1.928+00 9.998-01
SAMPLE NUMBER 30301 30302 30103 30304 30309 30309 30309 30309 30309 30309 30307	SOIL A  PLANT PART  SHOOT LEAVES STALK MEAD MEAD STALK	SANDY SR- 85 CTIVITY AGE (DAYS) 22 36 49 49 49 65	CLAY LOA  LD/S/GM  NUMBER  OF  PLANTS  10  20  10  10  10	DAY LEIGHT (GR/PLANT)  0.1010 0.1050 0.0459 0.1240 0.0462 0.1612 0.1272	COUNTING DRY WEIGHT (GRAHS)  LOLO 2-1002 0-4385 1-2895	SPECIFIC ACTIVITY (D/S/GM)  58.636 259.766 389.514 137.698 114.995 117.709 301.966	1 179 1 177 ASU 4.948+00 2.248+00 3.368+00 1.228+00
SAMPLE NUMBER 30301 30302 30303 30304 30305 30306 30306	SOIL A  PLANT PART  SHOOT SHOOT LEAVES STALK MEAD MEAD STALK LEAVES	SANDY  SR- 85  CTIVITY  AGE (DAYS)  22  36  49  49  49  65  65	CLAY LOA  ID/S/GM  NUMBER  GF  PLANTS  10  20  10  10  10  10  10	TAKE SUMMARY  DI 112.10  QRY LEIGHT (GM/PLANY)  0.1011 0.1050 0.0459 0.1240 0.0450 0.1812 0.1272 0.0470	COUNTING DRY MEIGHY (GRAMS)  LaDIO 2.1002 0.4385 1.2845 0.4425 1.8116 2.722 0.4699	SPECIFIC ACTIVITY (D/S/GM)  508.026 259.766 389.514 139.698 117.709 301.966 574.053	4.948+00 2.248+00 3.388+00 1.228+00 1.028+00 4.992+00 4.992+00
SAMPLE NUMBER 30301 30302 30304 30304 30306 30306 30306 30307 30306	SOIL A  PLANT PART SHOOT SHOOT LEAVES STALK MEAD MEAD STALK LEAVES MEAD	SANDY SR- 45 CTIVITY AGE (DAVS) 22 36 49 49 49 65 65 78	CLAY LOA  ID/S/GM  NUMBER  OF  PLANTS  10  20  10  10  10  10  10	TAKE SUMMARY  DI 112.10  ORY BEIGHT (GM/PLANY)  G.1011  0.1050 0.0459 0.1240 0.0462 0.1812 0.1272 0.0470 0.1404	COUNTING DRY WEIGHY (GRAMS)  L.Q110 2.1002 0.4985 1.2895 1.2895 1.4916 1.2722 0.4699 1.4045	SPECIFIC ACTIVITY (D/S/GM)  504.626 259.766 389.514 139.895 117.709 301.966 574.053 99.565	4.948+00 2.240+00 3.362+00 1.028+00 2.628+00 4.992+00 4.992+00
SAMPLE NUMBER 30301 30302 30302 30304 30306 30306 30306 30309 30310 30310	SOIL A  PLANT PART  SHOOT SHOOT LEAVES STALK MEAD MEAD STALK LEAVES	SANDY  SR- 85 GTIVITY  AGE (DAVS)  22 36 49 49 49 67 65 78 78	CLAY LOA  ID/S/GM  NUMBER  GF  PLANTS  10  20  10  10  10  10  10  10  10  10	TAKE SUMMARY  DE LIDATO  ORY LEIGHT  (GN/PLANY)  0.1011  0.1050 0.0459 0.1240 0.0662 0.1812 0.1272 0.0470 0.1604	COUNTING DRY MEIGHY (GRAMS)  LaDIO 2.1002 0.4385 1.2845 0.4425 1.8116 2.722 0.4699	SPECIFIC ACTIVITY (D/S/GM)  508.026 259.766 389.514 139.698 117.709 301.966 574.053	4.948+00 2.248+00 3.388+00 1.228+00 1.028+00 4.992+00 4.992+00
SAMPLE NUMBER 30301 30302 30304 30307 30306 30309 30310 30312 30312	SOIL A  PLANT PART  SHOOT SHOOT LEAVES STALK MEAD MEAD STALK LEAVES MEAD STALK LEAVES MEAD STALK LEAVES	SANDY  SR- 45  CTIVITY  AGE (DAYS)  22 36 49 49 49 65 65 65 78 78 78	CLAY LOA  ID/S/GM  NUMBER  GF  PLANTS  10  20  10  10  10  10  10  10  10  10	TAKE SUMMARY  DI 112.10  ORY BEIGHT  (GM/PLANY)  0.1010 0.1030 0.0459 0.1290 0.1292 0.1272 0.0470 0.1294 0.0674 0.0210 0.1136	COUNTING DRY MEIGHT (GRAMS)  LOLLO 2-1002 0-4385 1-2895 0-4625 1-8110 1-2722 0-4699 1-4045 0-6744 0-2100 9-5413	SPECIFIC ACTIVITY (D/S/GM)  568.636 259.766 389.514 134.898 117.709 301.966 574.053 94.565 242.251 422.625	4.948+00 2.240+00 3.368+00 1.228+00 1.028+00 2.628+00 2.628+00 2.628+00 2.628+00 2.628+00 2.628+00 2.628+00 2.628+00 2.628+00 2.628+00 2.628+00 2.628+00 2.628+00 2.628+00
SAMPLE NUMBER 30301 30302 30304 30307 30308 30309 30310 30311 30312 30312 30312	SOIL A  PLANT PART  SHOOT LEAVES STALK MEAD MEAD STALK LEAVES MEAD STALK LEAVES MEAD STALK LEAVES MEAD STALK STALK STALK STALK STALK STALK STALK STALK	SANDY  SR- 85 CTIVITY  AGE IDAYS)  22 36 49 49 49 49 47 65 65 78 78 78	CLAY LOA  LD/S/GM  NUMBER  OF  PLANTS  10  20  10  10  10  10  10  10  10  10	IAKE SUMMARY  DRY LEIGHT (GM/PLANY)  0.1030 0.0459 0.1240 0.1612 0.1272 0.0470 0.1694 0.0674 0.0210 0.1136 0.0677	COUNTING  OF WEIGHY  (GRANS)	SPECIFIC ACTIVITY (D/S/GM)  568.636 259.766 389.514 134.898 117.709 301.966 574.053 94.565 242.251 422.625	4.948+00 2.248+00 3.388+00 1.028+00 4.998-01 1.028+00 2.628+00 4.998-01 2.108+00 3.678+00 9.078-01 1.928+00
SAMPLE NUMBER 30301 30304 30306 30309 30310 30311 30312 30313 30314 30315 30315	SOIL A  PLANT PART  SHOOT SHOOT LEAVES STALK MEAD STALK LEAVES MEAD STALK LEAVES MEAD STALK LEAVES MEAD STALK LEAVES MEAD MEAD MEAD MEAD MEAD MEAD MEAD MEAD	SANDY  SR- 45  CTIVITY  AGE (DAVS)  22 36 49 49 49 65 65 78 78 78 99 99	CLAY LOA  (D/S/GM  NUMBER  OF  PLANTS  10  20  10  10  10  10  10  10  10  10	TAKE SUMMARY  DI 112.10  QRY BEIGHT (GM/PLANY)  0.1010 0.1050 0.0459 0.1270 0.0470 0.1040 0.01136 0.0477 0.0134 0.0134 0.0134 0.0134	COUNTING DRY MEIGHY (GRAMS)  LOLIO 2-1002 0-4385 1-2895 0-4625 1-8118 1-2722 0-4699 1-4045 0-6744 0-2140 0-2140 0-1545 7-4711	SPECIFIC ACTIVITY (D/S/GM)  588.656 259.766 389.514 139.696 117.709 301.966 574.053 99.565 242.251 422.625 104.410 393.402 641.712 113.423	4.948-90 2.288-90 3.388-90 1.228-90 1.928-90 2.628-90 2.628-90 2.108-90 3.678-91 9.078-91 9.078-91 9.078-91
RADIONA INITIAL SAMPLE AUMBER 30301 30302 30304 30305 30306 30307 30300 30310 30311 30313 30314 30315	SOIL A  PLANT PART  SHOOT LEAVES STALK HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES	SANDY  SR- 85 CTIVITY  AGE IDAYS)  22 36 49 49 49 49 47 65 65 78 78 79 99	CLAY LOA  LD/S/GM  NUMBER  CF  PLANTS  10  10  10  10  10  10  10  10  10  1	IAKE SUMMARY  DRY LEIGHT (GM/PLANT)  Q.1011 Q.1050 Q.0459 Q.1240 Q.1412 Q.1272 Q.0470 Q.1404 Q.0674 Q.0210 Q.1136 Q.0677 Q.0154 Q.0672 Q.0154	GOUNTING DRY WEIGHY (GRANS)  1.0110 2.1002 0.4985 1.2895 0.4625 1.2895 0.4679 0.4744 0.2100 9.5413 0.6769 0.1545 0.6559	SPECIFIC ACTIVITY (D/S/GM)  564.626 259.766 389.514 139.898 114.995 117.709 301.966 574.053 242.251 422.625 104.410 393.402 641.712 404.612	4.948+00 2.248+00 3.388+00 1.228+00 9.998-01 1.028+00 4.992-01 2.108+00 3.628+00 4.992-01 3.628+00 3.628+00 3.628+00 3.628+00 3.628+00 3.628+00 3.628+00 3.628+00 3.628+00
SAMPLE NUMBER 30301 30304 30306 30309 30310 30311 30312 30313 30314 30315 30315	SOIL A  PLANT PART  SHOOT SHOOT LEAVES STALK MEAD STALK LEAVES MEAD STALK LEAVES MEAD STALK LEAVES MEAD STALK LEAVES MEAD MEAD MEAD MEAD MEAD MEAD MEAD MEAD	SANDY  SR- 45  CTIVITY  AGE (DAVS)  22 36 49 49 49 65 65 78 78 78 99 99	CLAY LOA  (D/S/GM  NUMBER  OF  PLANTS  10  20  10  10  10  10  10  10  10  10	TAKE SUMMARY  DI 112.10  QRY BEIGHT (GM/PLANY)  0.1010 0.1050 0.0459 0.1270 0.0470 0.1040 0.01136 0.0477 0.0134 0.0134 0.0134 0.0134	COUNTING DRY MEIGHY (GRAMS)  LOLIO 2-1002 0-4385 1-2895 0-4625 1-8118 1-2722 0-4699 1-4045 0-6744 0-2140 0-2140 0-1545 7-4711	SPECIFIC ACTIVITY (D/S/GM)  588.656 259.766 389.514 139.696 117.709 301.966 574.053 99.565 242.251 422.625 104.410 393.402 641.712 113.423	4.948-90 2.288-90 3.388-90 1.228-90 1.928-90 2.628-90 2.628-90 2.108-90 3.678-91 9.078-91 9.078-91 9.078-91

TABLE A-304

			PLANT UP	TAKE SUMMARY	1 MHEA7		
ا نانان	TÁRFÜRÚ	JANUT .	CLAY LOA	â	c	niaines mu	HAER. 30.
RADIONU	CLIDE	SR- 45		DATE PLANTED: 179			
	E011 A		1646464	113.10		of Autoden	. 199
INTI IAL	JULL AL	HALL		7.1 A424AV	· · · · · ·	LIK EGERVEN	
SAMPLE	PLANT	AGE	NUMBER	DAY WEIGHT	COUNTING DRY MEIGHT	SPECIFIC	ASU
NUMBER	PART		PLANTS	(GR/PLANT)	(GRAMS)	(D/S/6H)	
30401	SHOOT	_ 22_	20	9.9778	1.5545	405-449	5-262+0
30402	SHCOT	36	20	0.1297	2,5949	334.427	2-918+00
30403 30404	LEAVES STALK	<u> 49</u>	10	0.0437	0.4370 1.1961	353.265 134.881	3.078+00
30405	HEAD	_ 49	iŏ	0.0611	0.6105	104.993	9.308-0
30406	HEAD	45	10	0.1461	1.4609	109-162	9-488-0
30407	STELL	-45-	<u> 10</u>	0-1000	0.9997		2-548+CI
3040 <b>8</b> 30409	LEAVES HEAD	45 78	10 10	0.0493	0.4935 1.6031	93.035	5.348+00 6.088-0
30410	STALK	70	10	0.0842	0.4423	271.401	2.362+0
30411	LEAVES			0.0177	0.3772	562-018	4-448+0
30412 30413	HEAD Stalk	"	93 10	0.0974 0.0958	9.0619	114.428 249.931	9.948-01 2.358+01
30414	LEAVES	99	10	0.0253	0.2530	405.102	3-528+0
30415	HEAD		73	0.1244	9.2247	124-546	1-108+0
30416	STALK	99	10	0.1022	1.0216	313.404	2.728+0
<u>30417</u> 30418	<u>LEAVES</u> GRAIN	<del>- 11</del> -	<u>10</u>	20.0000	20.0000	454.926 61.276	5.328-0
		-	PLANT U	TABLE A-300			
				PTAKE SUMMARY	(1 TCHATO		
			GLAY LO	PTAKE SUMMARY	(3 TCHATO	ONTAINER NU	
RADIONU	CLIDE:	SR- 85	GLAY LO	PTAKE SUMMARY	C D	ATE PLANTED	179
RADIONU	CLIDE:	SR- 85	CLAY LO	PTAKE SUMMARY	C C	ATE PLANTED	179
RADIONU	SOIL A	SR- 45	CLAY LO	PTAKE SUMMARY	COUNTING	ATE PLANTED ATE EMERGED SPECIFIC	179
RADIONU	CLIDE:	SR- 45 CTIVITY	CLAY LO	PTAKE SUMMARY	C C	ATE PLANTED ATE EMERGED SPECIFIC	179
RADIONU INITIAL SAMPLE NUMBER	SOIL A	SR- 82 CTIVITY AGE (DAYS)	CLAY LO/S/GI	DRY MEIGHT	COUNTING DRY MEIGHT (GRAMS)	ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY	22 179 23 177 ASU
RADIONU INITIAL SAMPLE NUMBER 30401 30602	SOIL A  PLANT PART  LEAVES STEM	SR- 83 CTIVITY AGE (DAYS)	CLAY LO	DRY WEIGHT (GM/FLANT)	COUNTING DRY MEIGHT (GRAMS)	ATE PLANTED ATE EMERGED  SPECIFIC ACTIVITY (D/S/GH)  4224,903 3356.044	2: 179 2: 177 ASU 3:078+0 2:928+0
SAMPLE NUMBER 30401 30402 30403	PLANT PART  LEAVES STEM LEAVES	SR- 43 CTIVITY AGE (DAYS) 22 22 22 36	NUMBER OF PLANTS	DRY MEIGHT (GM/PLANT)  C.9810 C.3501	COUNTING DRY HEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/GH)  4229-203 3350-044 3350-042	ASU 3.678+0 2.918+0 2.918+0
RADIONU INITIAL SAMPLE NUMBER 30401 30402 30403 30404	PLANT PART  LEAVES STEM LEAVES STEM	SR- 83 CTIVITY AGE (DAYS) 22 22 24 36	CLAY LO/ ( LD/S/G/ NUMBER OF ) PLANTS	DRY MEIGHT (GR/PLANT)	COUNTING DRY HEIGHT (GRAMS)  1.9619 0.7142 6.5307 9.6881	ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  4224.203 3350.044 3350.425 1990.034	3 177 ASU 3 478+0 2-928+0 2-918+0 1-748+0
SAMPLE NUMBER 30401 30402 30403	PLANT PART  LEAVES STEM LEAVES	SR- 83 CTIVITY AGE (DAYS) 22 22 24 36	NUMBER OF PLANTS	DRY MEIGHT (GM/PLANT)	COUNTING DRY MEIGHT (GRAMS)  1.9619 0.7142 6.5307 5.6881 12.5510 14.6678	ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/GM) 4229.203 3356.044 3350.829 1948.204 1336.028	3: 179 ASU 3: 177 ASU 2: 928+0 2: 918+0 1: 148+0 1: 148+0
RADIONU INITIAL SAMPLE NUMBER 30401 30402 30403 30404 30405 30407	PLANT PART  LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES	AGE (DAYS) 22 22 24 36 49 49	CLAY LG/S/GI	PTAKE SUMMARY  AM	COUNTING DRY MEIGHT (GRAMS)  1.7619 0.7142 6.5307 3.6881 12.5510 14.6678 0.3249	SPECIFIC ACTIVITY (D/S/GM)  4224.203 3358.044 3350.425 1998.834 2468.204 1336.028 711.097	3 177 ASU 3 177 ASU 3 678 0 2 918 0 1 748 0 2 148 0 1 168 0 6 188 0
RADIONU INITIAL SAMPLE NUMBER 30401 30402 30403 30404 30405 30406 30406	PLANT PART  LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES LEAVES	AGE (DAYS)  22 22 24 36 49 49 49	CLAY LO/S/GI NUMBER OF PLANTS	CRY WEIGHT (GM/PLANT)  C.981G (33581 4.5307 5.4881 12.2510 14.428 15.5037	COUNTING DRY MEIGHT (GRAMS)  1.9619 0.7142 6.9307 9.6881 12.5510 16.4678 0.3249 15.5037	SPECIFIC ACTIVITY (D/S/GH) 4224,203 3356,044 3350,425 1996,234 2468,204 1336,028 711,097 2144,363	3-177 ASU 3-177 ASU 2-928+0 2-918+0 1-748+0 1-148+0 1-168+0 1-168+0 1-168+0
RADIONU INITIAL SAMPLE NUMBER 10401 30402 30403 30404 30407 30406 30407 30408	PLANT PART  LEAVES STEM LEAVES STEM LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES STEM	AGE (OAYS) 22 22 36 34 49 49 49	NUMBER OF PLANTS	CASSO 14-5210 14-5210 14-5210 14-5210 14-5210 14-5210 14-5210 14-5210 14-5210 14-5210 14-5210 12-5210	COUNTING DRY MEIGHT (GRAMS)  1.9619 0.7142 6.5307 5.6881 12.5510 14.6678 0.3249 19.5037 7.8873	SPECIFIC ACTIVITY (D/S/GM)  4224.203 3358.044 3350.425 1998.834 2468.204 1336.028 711.097	ASU 3.678+0 2.928+0 2.918+0 1.168+0 6.188+0 1.868+0 6.298+0
RADIONU INITIAL SAMPLE NUMBER 30401 30402 30403 30404 30405 30406 30407 30408 30409 30401	PLANT PART  LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES	AGE (CAYS)  22 22 34 49 49 49 49 49 45 65 78	CLAY LG/S/G/S/G/S/CF PLANTS	CRY MEIGHT (GM/PLANT)  C.9815 C.3981 4.5307 5.6881 12.5510 14.6478 0.3289 15.5037 22.1373 0.4866	COUNTING DRY MEIGHT (GRAMS)  1.9619 0.7162 6.9307 9.6881 12.5510 16.6678 17.9037 7.8673 0.4866 18.1392	ATE PLANTES ATE EMERGES  SPECIFIC ACTIVITY (D/S/GM)  4229.203 3350.044 3350.425 1996.234 2468.204 1336.028 711.097 2144.363 1374.929 723.575 979.524	3-678-0 2-928-0 2-928-0 2-928-0 1-748-0 2-148-0 1-168-0 1-168-0 1-168-0 1-198-0 6-298-0 8-518-0
RADIONU INITIAL SAMPLE NUMBER 10401 30402 30403 30404 30406 30407 30406 30407 30406 30407 30406 30407 30402	PLANT PART  LEAVES STEM LEAVES STEM LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES STEM	AGE (DAYS) 22 22 36 34 49 49 49 49 65 78	NUMBER OF PLANTS	CRY WEIGHT (GM/PLANT)  C.9815 C.3381 4.3207 5.6881 12.5510 16.6678 0.3289 15.5037 22.1373 0.4866 18.1392 27.2077	COUNTING DRY MEIGHT (GRAMS)  1.9619 0.7142 6.5307 5.6861 12.5550 14.6678 G.3249 15.5037 7.8673 C.4866 18.1392 10.1077	SPECIFIC ACTIVITY (D/S/GM) 4229.203 3356.044 3350.825 1908.034 2468.204 1336.028 711.097 2144.343 1374.929 723.575 979.524 682.544	3 177 ASU 3 177 ASU 2 928+0 2 918+0 1 168+0 6 188+0 1 198+0 6 298+0 9 5 938+0
RADIONU INITIAL SAMPLE NUMBER 10401 30402 30403 30404 10405 30604 30407 30408 30407 30408 30401 30413	PLANT PART  LEAVES STEM LEAVES STEM LEAVES STEM PLOWER LEAVES STEM PLOWER LEAVES STEM PLOWER LEAVES STEM FLOWER LEAVES	AGE (DAYS) 22 22 24 36 49 49 49 65 78	CLAY LG/S/G/S/G/S/G/S/G/S/G/S/G/S/G/S/G/S/G/S	CRY MEIGHT (GM/PLANY)  G.9810 G.3581 4.9307 5.6881 12.5510 6.6478 6.6478 22.1373 0.4866 18.1392 27.2077	COUNTING DRY MEIGHT (GRAMS)  1.9619 0.7142 6.5307 5.6881 12.5510 16.6678 6.3289 15.5037 7.8673 0.4866 18.1392 10.1077 0.3253	ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  4229.203 3356.044 3350.025 1996.034 2468.204 1336.028 711.097 2144.303 1374.329 723.575 979.524 602.544	ASU  3-678+0 2-928+0 2-918+0 1-168+0 1-168+0 1-168+0 6-188+0 1-168+0 6-298+0 8-518+0 5-938+0 3-468+0
RADIONU INITIAL SAMPLE NUMBER 30601 30602 30603 30606 30606 30609 30611 30612 30612 30612 30612 30613	PLANT PART  LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES	AGE (DAYS) 22 22 24 36 49 49 49 65 78	NUMBER OF PLANTS	CRY WEIGHT (GM/PLANT)  C.9815 C.3381 4.3207 5.6881 12.5510 16.6678 0.3289 15.5037 22.1373 0.4866 18.1392 27.2077	COUNTING DRY MEIGHT (GRAMS)  1.9619 0.7142 6.5307 5.6881 12.5530 14.6678 G.3289 15.5037 7.8673 0.4866 18.1392 10.1077 0.3253 9.1453	SPECIFIC ACTIVITY (D/S/GM)  4229-203 3356-044 3350-825 1998-834 2468-204 1336-028 711-097 72144-363 1374-929 723-575 979-524 682-544 398-651	3 177  ASU  3 177  ASU  2 928+0 2 918+0 1 168+0 6 188+0 1 198+0 6 5 938+0 3 468+0 1 198+0 5 9088+0 5 9088+0
RADIONU INITIAL SAMPLE NUMBER 30402 30402 30403 30404 30407 30408 30407 30408 30402 30412 30412 30413 30414 30415	PLANT PART  LEAVES STEM LEAVES STEM LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES FLOWER LEAVES FLOWER LEAVES FLOWER FLOWER FLOWER FRUIT	AGE (DAYS) 22 22 36 34 49 49 49 49 49 49 49 49 49 49 49 49 49	CLAY LG/S/G/S/G/S/G/S/G/S/G/S/G/S/G/S/G/S/G/S	CRY MEIGHT (GM/PLANT)  G.9810 G.3581 4.2107 5.4881 12.2510 14.6678 G.3289 19.5037 22.1573 G.4866 18.1392 27.2077 G.3253 20.2253 33.8470 4.1929	COUNTING DRY MEIGHT (GRAMS)  1.9619 0.7142 6.5307 9.6881 12.5530 14.6678 6.3289 15.5037 7.8673 0.4886 18.1392 10.1077 0.3253 9.1453 9.1370 4.1929	ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  4229.203  3356.044  3350.029  1996.034  2468.204  1336.028  711.097  2144.303  1374.929  723.575  979.524  402.544  398.651  1372.509  504.666	ASU  3.678+0 2.928+0 2.918+0 1.168+0 6.188+0 1.198+0 6.298+0 9.518+0 3.468+0 1.198+0 5.088+0 4.322+0
RADIONU INITIAL SAMPLE NUMBER 30601 30602 30603 30606 30607 30608 30609 30612 30612 30613 30614 30615 10616	PLANT PART  LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES STEM FROMER FLOWER FROMER FROMER FROMER FROMER FROMER FROMER FROMER FROMER	AGE (CAYS) 22 22 36 49 49 49 49 49 49 49 49 49 49 49 49 49	CLAY LG/S/G/ NUMBER OF PLANTS  2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CRY MEIGHT (GM/PLANT)  C.9815 C.3561 4.2570 14.6678 C.3289 15.5037 22.1573 C.4666 18.1392 27.2077 C.3253 33.9470 4.1929 C.9064	COUNTING DRY MEIGHT (GRAMS)  1.9619 0.7162 6.5307 7.6681 12.5510 16.6289 15.5037 7.8673 0.4046 18.1392 10.1077 0.3253 9.1453 9.1370 4.1929 0.6964	ATE PLANTES  ATE EMERGES  SPECIFIC ACTIVITY (D/S/GM)  4229.203 3358.044 3350.422 1998.034 2468.204 1336.028 711.097 2144.363 1374.229 723.575 979.524 682.544 398.651 1372.589 584.666 49.670 16.182	ASU 3.678-0 2.928-0 2.928-0 2.918-0 1.748-0 1.168-0 1.168-0 1.868-0 1.198-0 5.938-0 1.198-0 5.938-0 1.198-0
RADIONU INITIAL SAMPLE NUMBER 10401 30402 30403 30404 30405 30408 30409 30412 30412 30412 30412 30413 30614 30615 30616 30618	PLANT PART  LEAVES STEM LEAVES STEM FLOWER LEAVES STEM FRUIT PEELS MEAT	AGE (CAYS) 22 22 36 34 49 49 49 49 49 49 49 49 49 49 49 49 49	NUMBER OF PLANTS	CRY MEIGHT (GM/PLANT)  G.9810 G.3581 4.2107 5.4881 12.2510 14.6678 G.3289 19.5037 22.1573 G.4866 18.1392 27.2077 G.3253 20.2253 33.8470 4.1929	COUNTING DRY MEIGHT (GRAMS)  1.9619 0.7142 6.5307 9.6881 12.5530 14.6678 6.3289 15.5037 7.8673 0.4886 18.1392 10.1077 0.3253 9.1453 9.1370 4.1929	ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  4229.203  3356.044  3350.029  1996.034  2468.204  1336.028  711.097  2144.303  1374.929  723.575  979.524  402.544  398.651  1372.509  504.666	3 177  ASU  3 177  ASU  2 928+0 2 918+0 1 748+0 1 168+0 6 128+0 1 198+0 5 918+0 1 198+0 5 918+0 1 198+0 1 198+0 1 198+0 4 328-0 1 418-0 4 028-0
RADIONU INITIAL SAMPLE NUMBER 30601 30602 30603 30606 30607 30608 30610 30611 30612 30612 30613 30614 30615 30616 30617 30618	PLANT PART  LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM FLOWER LEAVES STEM FLOWER LEAVES STEM FLOWER FLOWER FLOWER FRUIT PEELS MEAT FRUIT FRUIT	AGE (CAYS) 22 22 24 34 49 49 49 49 49 49 49 49 49 49 49 49 49	CLAY LG/S/GI NUMBER OF PLANTS  2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CRY MEIGHT (GM/PLANT)  C.9813 C.3561 4.5307 5.4681 12.5510 14.678 13.322 27.2077 0.3253 20.2253 33.9470 4.1929 0.9064 2.4000 3.6100 3.6400	COUNTING DRY MEIGHT (GRAMS)  1.9619 0.7162 6.5307 7.6681 12.5510 16.628 12.5510 16.628 12.5510 16.628 12.5510 16.628 12.5510 16.628 12.5510 16.628 12.5510 16.628 12.5510 16.628 12.5510 16.628 12.5510 16.628 12.5510 16.628 12.5510 16.628 12.5510 16.628 12.5510 16.628 12.5510 16.628 12.5510 16.628 12.5510 16.628 16.62	ATE PLANTES  ATE EMERGES  SPECIFIC ACTIVITY (D/S/GM)  4229.203 3358.044 3350.425 1996.234 2468.204 1336.028 711.097 2144.383 1374.929 723.575 979.524 682.544 398.651 1372.589 584.666 49.670 16.182 46.266 42.556 58336	3.073-0 3.073-0 2.923-0 2.923-0 2.913-0 1.743-0 1.743-0 1.863-0 1.863-0 1.193-0 5.938-0 1.198-0 5.938-0 1.198-0 5.938-0 1.173-0 2.028-0 1.417-0 4.028-0 3.708-0 2.768-0
RADIONU INITIAL SAMPLE NUMBER 30402 30402 30403 30404 30407 30610 30611 30612 30612 30613 30614 30614 30617 30618	PLANT PART  LEAVES STEM LEAVES STEM LEAVES STEM FLOWER LEAVES STEM FRUIT PEELS MEAUT FRUIT	AGE (OAVS) 22 22 24 36 34 49 49 49 49 49 49 49 49 49 49 112 112	CLAY LC/S/GI NUMBER OF PLANTS  2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CRY MEIGHT (GM/PLANY)  G.9813 G.3581 4.5307 5.6881 12.5510 16.6678 0.3289 15.5037 22.1373 0.4866 18.1392 27.2077 0.3253 33.8470 4.1929 0.6944 2.8000	COUNTING DRY MEIGHT (GRAMS)  1.9619 0.7142 6.5307 9.6881 12.5530 14.6678 6.3289 15.5037 7.8673 0.4886 18.1392 10.1077 0.3253 9.1453 9.1370 4.1929 0.6946 2.8000 3.6100	ATE PLANTED  ATE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  4229.203 3356.044 3350.829 1946.204 1336.028 711.097 2144.363 1374.929 723.575 979.524 682.544 398.651 1372.580 49.670 16.182 46.266 42.556	3.473-0 2.923-0 2.923-0 2.923-0 2.143-0 1.163-0 6.183-0 6.183-0 6.293-0 1.193-0 6.293-0 1.193-0 6.293-0 1.193-0 6.293-0 1.193-0 3.463-0 1.193-0 3.463-0 3.463-0 3.703-0 3.703-0

TABLE A-30

AADICHUCLIDEI SR- 09 DATE PLANTEDI 179  IBLITAL SCIL ACTIVITY (D/S/GM): 119.10 DATE ENERGEDI 177							
	4. 44.5		NUMBER		CCUNT ING	SPECIFIC	
NUMBER	PART	(CAYS)	PLANTS	(GR/PLANT)	(GRAMS)	(D/S/GA)	ASU
10701	LEAVES	22		1.9023	3,4045	4097.801	3.308.0
30702	STEH	22	5	0.1045	1.4129	3024.202	2.438+0
10703	LEAVES	34	- <del>-  </del>		4.0944	3377-190	2.932.0
30704	STEM	36	1	5-1144	5.1194	2243.740	1.951+0
30706 30706	<u>LEAVES</u> STEM	<del>- 49</del>	<del></del>	15.3340	15.3340	1959-138	2.66 ktQ 1.658+0
30707	FLOSEN	- 33	i	0.5040	0.5040	499.174	5.498.0
0760	LEAVES	65	1	11.0149	11.0149	1904.864	1.458+0
C709	STEH			11-4473	17.6473	1204.242	1.058+0
10710	FLOWER	45	1	0.2083	0.2085	464,590	4.028+0
10711	LEAVES			14-1173	_14.7773	280.831	2-448-0
10712	STEN	78	1	28.3243	1.3163	21,5.794	1.468-0
0713	FLCHER LEAVES	<del>78</del>	<del></del>	0-8001 14-5771	0.0001		7-101-0
10715	STER		•	22.5851	4.2791	1183.140	1.038+0
30714	FRUIT	99	1	4,5838	4.5830	67.143	5.838-0
10717	PEELS	_1ii	_ i	0.9896	0.9894	39.281	1.418-0
16711	MEAT	112	1	2.9100	2.9100	57.930	5.038-0
10719	FRUIT	_112_		3.7500	3.7500	52-024	4-521-0
10720	FRUIT	112	1	4.7300	4.7300	33.465	2.928-0
16357	_fault_		<u></u>		4-2200		3.018-0
10722	FRUIT FRUIT	112	1	3.3100 7.7100	3.3100 7.100	47.366 32.336	4.128-0 4.558-0
		-		TABLE A-301			

			PLANT UF	TAKE SUMMARY	': TCHATO		
SCIL 1	HANFORD	SANCY	CLAY LOA	4		NTAINER NU	PBER: 10
RADIONU	CLIDEL	SR 85			Q.A	TE PLANTED	1 179
LATTIAL	SOIL A	CITATIA		131115_10		TE ENEAGED	1_177
SAMPLE NUMBER	PLANT	AGE (DAYS)	MUMBER OF PLANTS	ORY MEIGHT	COUNTING DRY WEIGHT (GRAMS)	SPECIFIC ACTIVITY (D/S/GR)	ASU
30801	LEAVES	22		1.1957	2.3914	4215.356	3.441.0
30602	\$1£#	22	5	0.4354	C. 6708	3250.025	2.428+0
30803	LEAVES	36			4.9510	_3212.732	2.794+0
30894	STEM	36	1	5.0612	5.0612	1043.126	1.608+0
30405	LEAVES	49	L	12.4791	12-9707	3194.921	2.788.0
30806	STEM	44	1	14.9255	16.9255	1704.054	1.488.0
30807	FLEHER	49_		9.2957	0.2957	161.967	7.558+0
30808	LEAVES	65	1	12.0744	12.6760	1595.577	1.398+0
10809	STEH	65		21.5977	21,5977	1339,259	1,148+0
- 810	FLCHER	65	ı	1-1126	1.1120	289.404	2.518+0
- 1411	LEAVES	7.		19.1419	6.4070	2168.879	1.848+0
412	STEM	78	i,	36.0973	5.1473	1344.423	1.174+0
411	FLOSER			1.0011	1.0013	1136.927	9.883+0
30014	LEAVES	99	ı	7.5691	7.5591	1457.290	1.448.0
30615	SYEM	99			7.4714	1244.929	1.104.0
3C614	SHGOT	**	1	4.1628	4.1029	20.998	1.828-0
19917	PRELS			0.7902	0.7902	11.219_	5.243-0
30818	MEAT	112	ì	2.9100	2.9100	30.491	3.348-0
10819	FRUIT	_112	<del></del>	5-7800	5.7800	63.760	3.543-0
30020	FRUIT	113	7	4.0100	4.4100	47.654	4.148-0
30121	FRUIT			1-8990	1.1900	100.344	9.728-0
30822	FRUIT	112	ŗ	4.7900	4.7900	26.156	2-278-0
30121	FRUIT	_117		4.3400	4.3490	59,551	5.178-0

TABLE A-310

			PLANT UP	TAKE SUMMARY	ı MHRAT	·	
501L1	MANPORD	SAMDY (	CLAY LDA	A		INTAINER MU	MBER: 310
54016W	CLIDEL .	18- 12		DATE PLANTED: 179			
INITIAL	SOIL AC	TIVITY	(D/S/GN	11 84.70	0	TE EMERGEO	1 177
			NUMBER		COUNTING	SPECIFIC	
SAMPLE NUMBER	PART PART	(DAYS)	PLANTS	(GM/PLANT)	DRY WEIGHT	(D/S/GH)	ASU
31001	SHOOT	22		0.2278	3.8728	443.250	5-232+00
31002 31003	SHOOT	36	19	0.1384	2.4305	289.900	3.428+00
31004	LEAVES	49	10	0.1208	1.2080	113.042	1.348+00
31005	HEAD	49_		0.0734	0.7337	74.456	9-118-01
31006 31007	HEAD STALK	45	10	0.1152	1.1524	84.784 186.784	1.008+00
31008	LEAVES	65	10	0.0372	0.3717	390,795	4.718+00
31009	HEAD	<u> 74</u>		0-1449	1.4890	79.275	9-148-01
31010 31011	STALK Leaves	76 78	10	0.0743 9.0310	0.7433 0.3101	232.376 435.503	2.74 <b>8</b> +00 5.14 <b>8</b> +00
31012	HEAD	77	95	0.0942	8.9448	105-142	1.248+00
41011	STALK	<del>- 11</del> -	<del> iš</del>	0.0524	0-5259	142-071	1.683+0
31014 31015	LEAVES HEAD	• • • • • • • • • • • • • • • • • • •	10	0.0201 0.1255	0.2010	289.434	3.428+00 0.118-01
31016	STALK	99	10	0.0776	0.7762	318.057	3.768+00
	AME	99	10	0.0270	9.2703	443,535	9-248+60
31017	LEAVES						# 200A1
31016	GAAIN	79		TABLE A-311	20.0000	45.670	5.378-01
		79			20.0000		5.398-01
31016	GRAIN	••		TABLE A-311	20.0000		
3101 <b>6</b>	GRAIN	SANDY (	PLANT UP	TABLE A-311	20.0000 : WHEAT	45.670	MBER: 311
SCIL:	GRAIN HANFORG	SANDY SR- 45	PLANT UP	TABLE A-311	20.0000 3 WHEAT	45.670	MRER: 31)
SCIL:	GRAIN HANFORG	SANDY SR- 45	PLANT UP	TABLE A-311 TAKE SUMBARY	20.0000 3 WHEAT	45.670  ONTAINER NU	MBER: 31): 179
SCIL: PADIGNU INITIAL	MANFORG CLIDE: SCIL A	SANDY	PLANT UP  CLAY LOA  LO/S/GM  NUMBER  SF	TABLE A-311 TAKE SUMBARY M	20.0000	ONTAINER NUITE PLANTED TE EMERGED SPECIFIC ACTIVITY	MRER: 31)
SCIL: RADIGNU INITIAL	MANEGRE CLIDE:	SANDY I	CLAY LOA  LO/S/GM	TABLE A-311 TAKE SUMBARY M	20.0000	AS.670  ONTAINER NUITE PLANTED  TE EMERGED  SPECIFIC	MBER: 31): 179
SCIL: RADIGNU INITIAL SAMPLE NUMBER	MANEGRE CLIDE: SCIL AS	SANDY I	CLAY LOA  LO/S/GM  NUMBER  PLANTS	TABLE A-311 TAKE SUMBARY M  J: 84.70  DRY BEIGHT (GM/PLANT)	20.0000	ONTAINER NUITE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GM)	MBER: 31) : 179 : 177
SCIL: RADIONU INITIAL SAMPLE NUMBER	MANFORG CLIDE: SCIL AF	SANDY ISR- 45 ETIVITY AGE (DAYS)	CLAY LOA  LO/S/GM  NUMBER  DE  PLANTS	TABLE A-311 TAKE SUMBARY M	20.0000	AS.670  INTAINER NU ITE PLANTED  SPECIFIC ACTIVITY (D/S/GM)  499.865	MBER: 31): 179: 177: ASU
SCIL: RADIGNU INITIAL SAMPLE NUMBER 31102 31102 31102	MANEGRE CLIDE: SCIL AS PLANT PART SHOOT STALK	SANDY I	CLAY LOA  LD/S/GM  NUMBER  PLANTS  40 10	TABLE A-311  TAKE SUMBARY  M  DAY BEIGHT (GM/PLANT)  Q.Q4Q1 Q.1175 Q.Q449	COUNTING ORY MEIGHT (GRAMS)	AS.670  INTAINER NUITE PLANTED  TE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  499.865 256.299 266.181	MBER: 31): 179: 177  ASU  5.908-00 3.038+00 3.148+00
SCIL: RADIGNU INITIAL SAMPLE NUMBER 31101 31102 31103	MANFORG CLIDE: SCIL AF PART SHOOT SHOOT STALK LEAVES	SANDY ISR- 45 LIIVITY AGE (DAYS) 22 36 49	CLAY LOA  CO/S/GM  NUMBER  2F  PLANTS  40  18  10	TABLE A-311  TAKE SUMBARY  M	20.0000  1 WHEAT  COUNTING DRY WEIGHT (GRAMS)  1.6030 2.1150 2.4490 1.1085	AS.670  INTAINER NU ITE PLANTED  SPECIFIC ACTIVITY (D/S/GM)  499.865 256.295 266.181 113.381	MRER: 31): 179: 177  ASU  5.908-00 3.038-00 3.148-00 1.348-00
SCIL: RADIGNU INITIAL SAMPLE NUMBER 31102 31102 31102	MANEGRE CLIDE: SCIL AS PLANT PART SHOOT STALK	SANDY I	CLAY LOA  LD/S/GM  NUMBER  PLANTS  40 10	TABLE A-311  TAKE SUMBARY  M  DAY BEIGHT (GM/PLANT)  Q.Q4Q1 Q.1175 Q.Q449	COUNTING ORY MEIGHT (GRAMS)	AS.670  INTAINER NUITE PLANTED  TE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  499.865 256.299 266.181	MBER: 31/ : 179 : 177 : 177 ASU 5-908-06 3-038-06 1-348-06 1-348-06 1-348-06
SCIL:  RADIGNU INITIAL  SAMPLE NUMBER  31101 31102 31104 31103 31104 31103	PLANT PART SHOOT STOOK LEAVES MEAD STALK	SANDY   SR- 45   SR- 45   SR- 47   49   65   65   65   65   65   65   65   6	PLANT UP  CLAY LDA  CD/S/GM  NUMBER  2F  PLANTS  40  10  10  10	TABLE A-311  TAKE SUMBARY  M  DRY BEIGHT (GM/PLANT)  Q.0401 Q.1173 Q.0449 Q.1100 Q.0740 Q.1320 Q.1050	20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 2	49.670  INTAINER NU ITE PLANTED  ITE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  499.865 256.293 113.381 74.225 71.510 181.523	MRER: 31): 179 : 177  ASU  5.908-00 3.038-00 3.148-00 4.768-0.8.448-00 2.148-00
SCIL: RADIONU INITIAL SAMPLE NUMBER 31101 31102 31103 31104 31107 31106 31107 31108	PLANT PART SHOOT STALK LEAVES HEAD LEAVES	SANDY   SR- 45   SR- 47   49   45   45   45   45   45   45   45	PLANT UP  GLAY LOA  LO/S/GM  NUMBER  DF  PLANTS  40  16  10  10  10  10  10	TABLE A-311  TAKE SUMBARY  M	20.0000 20.0000 2 MHEAT  COUNTING DRY WEIGHT (GRAMS)  1.6030 2.1150 0.4490 1.1485 0.7604 1.3199 1.0497 0.4348	45.670  INTAINER NU ITE PLANTED  TE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  499.845 254.299 246.181 113.381 74.225 71.510 181.523 408.025	MBER: 311 : 179 : 177 ASU 5.908+00 3.038+00 3.148+00 1.348+00 8.448-01 2.148+01 4.828+00
SCIL:  RADIGNU INITIAL  SAMPLE NUMBER  31101 31102 31104 31103 31104 31103	PLANT PART SHOOT STOOK LEAVES MEAD STALK	SANDY   SR- 45   SR- 45   SR- 47   49   65   65   65   65   65   65   65   6	PLANT UP  CLAY LDA  ID/S/GM  NUMBER  2F  PLANTS  40  10  10  10  10  10  10	TABLE A-311  TAKE SUMBARY  M  DRY BEIGHT (GM/PLANT)  Q.0401 Q.1173 Q.0449 Q.1100 Q.0740 Q.1320 Q.1050	20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 2	45.670  INTAINER NUITE PLANTED  TE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  499.845 256.291 113.381 75.225 71.510 181.523 408.025 77.396 205.364	MRER: 311 : 179 : 177 ASU 5: 908-00 3:038-00 1: 348-01 8: 448-01 8: 448-01 4: 828-01 9: 148-01 2: 428-01
SCIL:  RADIGNU INITIAL  SAMPLE NUMBER  31102 31102 31103 31104 31107 31108 11109 31111	PLANT PART SHOOT SHOT SH	SANDY   SR- 45   SR- 49   49   45   45   78   78   78   78   78   78   78   7	PLANT UP  GLAY LOA  IQ/S/GM  NUMBER  JE  PLANTS  40  10  10  10  10  10  10  10  10  10	TABLE A-311  TAKE SUMBARY  M  DRY WEIGHT (GM/PLANT)  G.0401 G.179 G.0449 G.1140 G.0700 G.1320 G.1320 G.1320 G.1320 G.0435 G.1344 G.0608	20.0000 20.0000 21.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20	49.670  INTAINER NU ITE PLANTED  ITE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  499.845 256.299 246.181 113.381 75.225 71.510 181.523 408.025 77.396 209.384	MBER: 311 : 179 : 177 : 177 ASU 
SCIL: RADIGNU INITIAL  SAMPLE NUMBER  31102 31103 31104 31107 31106 31107 31101 31110 31111	MAMPORG CLIDE: SCIL AM PLANT PART SHOOT STALK LEAVES HEAD HEAD STALK LEAVES HEAD STALK LEAVES HEAD STALK LEAVES HEAD	SANDY   SR- 85 LTIVITY  AGE (DAYS)  22 36 49 49 49 45 65 65 78 78 78	PLANT UP  CLAY LDA  (D/S/GM  NUMBER  2F  PLANTS  40  10  10  10  10  10  10  10  10  10	TABLE A-311  TAKE SUMMARY  M  DAY MEIGHT (GM/PLANT)  Q.0449 C.1140 Q.0740 Q.1320 Q.1050 Q.0435 Q.1394 C.0608 Q.0219 C.0978	20.0000 20.0000 2 MKEAT  COUNTING DRY MEIGHT (GRAMS)  1.6030 2.1150 0.4490 1.1085 0.7404 1.3199 1.0197 0.4348 1.3942 0.4077 0.2186 10.0700	45.670  INTAINER NUITE PLANTED  ITE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  499.865 256.295 266.181 113.381 174.225 71.510 181.523 408.025 77.396 205.364 397.966 69167	#BER: 31] : 179 : 177  ASU  5.908+06 3.038+06 1.348+06 1.3488+0 2.148-01 2.148-01 2.428-0 9.148-0 2.428-0 4.708+08 8.178-01
SCIL:  RADIGNU INITIAL  SAMPLE NUMBER  31102 31102 31103 31104 31107 31108 11109 31111	PLANT PART SHOOT SHOT SH	SANDY   SR- 45   SR- 49   49   45   45   78   78   78   78   78   78   78   7	PLANT UP  GLAY LOA  IQ/S/GM  NUMBER  JE  PLANTS  40  10  10  10  10  10  10  10  10  10	TABLE A-311  TAKE SUMBARY  M  DRY WEIGHT (GM/PLANT)  G.0401 G.179 G.0449 G.1140 G.0700 G.1320 G.1320 G.1320 G.1320 G.0435 G.1344 G.0608	20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20	49.670  INTAINER NU ITE PLANTED  ITE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  499.845 256.299 246.181 113.381 75.225 71.510 181.523 408.025 77.396 209.384	######################################
SCIL: RADIGNU INITIAL  SAMPLE NUMBER  31102 31103 31104 31107 31106 31107 31101 31111 31112 31111 31111	MAMPORG CLIDE: SCIL AM PLANT PART  SHOOT STALK LEAVES HEAD	SANDY   SR- 45 LTIVITY  AGE (DAYS)  49 49 49 49 49 49 49 49 49 49 49 49 49	PLANT UP  CLAY LDA  (D/S/GM  NUMBER  2F  PLANTS  40  10  10  10  10  10  10  10  10  10	TABLE A-311  TAKE SUMMARY  M  LI: 84-70  DAY MEIGHT (GM/PLANT)  Q.0401 0.1179 Q.0449 0.1160 0.0780 0.1320 Q.1050 0.0435 Q.1050 0.0435 Q.1050 0.0219 0.0978 Q.0641 0.0309 Q.1404	20.0000 20.0000 2 MKEAT  COUNTING  DRY MEIGHT  (GRAMS)  1.6030 2.1150 0.4490 1.1085 0.7084 1.3199 1.0497 0.4348 1.3942 0.6077 0.2186 10.0700 0.6408 0.3086 10.4494	45.670  INTAINER NUITE PLANTED  ITE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  499.865 256.299 266.181 113.381 74.225 71.510 181.523 408.025 77.396 205.364 397.966 69.167 256.438 279.767 74.346	#BER: 311 : 179 : 177 : 177 ASU 5.908-00 3.038-00 3.148-00 4.768-01 8.448-01 2.148-01 2.148-01 2.428-00 9.148-01 3.038-00 8.178-01 3.038-00 4.788-01
SCIL:  RADIGNU INITIAL  SAMPLE NUMBER  31102 31103 31104 31105 31106 31111 31111 31111 31111	PLANT PART  SHOOT SHOT SH	SANDY   SR- 45   SANDY   SR- 45   SANDY   SR- 45   SANDY   SR- 45   SANDY   SA	PLANT UP  CLAY LDA  CD/S/GM  NUMBER  2F  PLANTS  40  10  10  10  10  10  10  10  10  10	TABLE A-311  TAKE SUMBARY  M  DRY BEIGHT (GM/PLANT)  Q.Q441 Q.0140 Q.0740 Q.1320 Q.1050 Q.0435 Q.1074 Q.0219 Q.0941 Q.09641 Q.0309	20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 20.0000 20	49.670  INTAINER NU ITE PLANTED  ITE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  499.845 256.295 266.181 113.381 74.225 71.510 181.523 408.025 77.396 69.167 256.438 279.767	######################################

TABLE A-312

TAPLE A-312								
			PLANT_U	PTARE SUMMAR	Y: WHEAT			
5011.1	HANFORD	SAMDY	CLAY LO	AH		CNTAINER M	MAER: 11	
raciem!	UCLIDE:	12- 11			0	ATE PLANTE	11 170	
				HLL #4.70		ATE EMERGE		
A PI A LA MI		C. I. I. I. I.	THY-47MI	TLL	·	ALK KOKAME	D-ALI	
			NUMBER		COUNTING	SPECIFIC		
SAMPLE. Number	<u>Plant</u> Part	AGE	PLANTS	GRY HEIGHT	GRAMS)	(D/S/GM)	ASU	
31201	SHOOT	22	_14_	g 1200	1-6806	383,449	4.538+00	
31202 312 <b>03</b>	SHOOT	36	12 10	0.1035	1.2416 0.6405	273, 092 323, 501	3.228+00	
31264	LEAVES	49	10	0.1394	1.3945	125.646	1.488+00	
31205 31204	HEAD HEAD	<u>49</u>	10 10	0.0430	0.4105 1.4072	52.305	1.038+00 6.188-01	
11207	STALK	- 45	10	6.1374	1.3736	112.362	1.338+00	
31204	LEAVES HEAD	45 78	10 10	0.0504	0.5036	289.648	3.428+00 4.558-01	
31210	STALK	78	10	0.2419	2.4389 0.6022	<u> </u>	1.718+00	
11517	LEAVES			0.0334	9-3375	379-701	4.488+0	
31212 31213	STALK	99 <b>9</b> 9	52 10	0.1955	10.1673	72.460 191.420	4,558-01 2,248+00	
31214	LEAVES		10	0.0303	0.3032	323.375	3.828+00	
<u>31215</u> 31216	STALK	99	<u>70</u>	0.0948	3.4703 0.9479	<u>78.535</u> 231.535	<u>9.278-01</u> 2.738+00	
	LEAVES			0.0275	9.2747	474.943	5.432+00	
31217 31218 31219	GRAIN GRAIN	99 2nd Cro		TABLE A-313	20.000	32.643 21.447	3.868-01	
31214	GRAIN	99 2nd Cro	90		20.000		3.848-01	
31218	GRAIN	99 2nd Cro	PLANT UP	TABLE A-313	20.000		2, 532-0	
31216 31219	GRAIN GRAIN HANFORG	and Cro	PLANT UP	TABLE A-313	20.000 1 WHEAT	21.447	2,632-0 MBER: 313	
31218 31219 GIL:	GRAIN GRAIN HANFORD	2nd Cro	PLANT UP	TABLE A-313 Take Summary	20.000	21.447	2, 632-0 HBEA: 313	
31216 31219 ADDIGHU	GRAIN URAIN HANFORD GLIDE:	ANDY C	PLANT UP	TABLE A-313 TAKE SUMMARY	20.000	21.447 INTAINER NU ITE PLANTED ITE EMERGED SPECIFIC	2,532-0 MOSA: 313 : 179	
GILI ADIGHU	GRAIN  ORAIN  MANFORD  GLIDE:  SOIL A	SANDY C	PLANT UP LAY LOA LO/S/GM	TABLE A-313 TAKE SUMMARY M 1: 44.70  ORY BEIGHT	20.000  1. WHEAT.  COUNTING ORY MEIGHT	21.447  INTAINER MU ITE PLANTED  IVE EMERGED  SPECIFIC ACTIVITY	2, 632-0 HBEA: 313	
GILI ADIGHU	GRAIN URAIN HANFORD GLIDE:	ANDY C	PLANT UP LAY LOA LO/S/GM	TABLE A-313 TAKE SUMMARY	20.000	21.447 INTAINER NU ITE PLANTED ITE EMERGED SPECIFIC	2,532-0 MOSA: 313 : 179	
31216 31219 MITIAL MITIAL MITIAL MITIAL	GRAIN  ORAIN  MANFORD  GLIDE:  SOIL A	SANDY C	PLANT UP LAY LOA LO/S/GM	TABLE A-313 TAKE SUMMARY M 1: 44.70  ORY BEIGHT	20.000  1 WHEAT  COUNTING ORY MEIGHT (GRAMS)	21.447  INTAINER MU ITE PLANTED  ITE EMERGED  SPECIFIC ACTIVITY (D/S/GR)	2,532-0 MOSA: 313 : 179	
31216 31219 GGIL: LAPIGNU EMITIAL LUMBER	GRAIN  GRAIN  HANEGRO  GLIDE:  SOIL AT  PLANT  PARY  SHOOT  SHOOT	SANDY COLLEGE CONTRACTOR SANDY COLLEGE CONTRACTOR COLLEGE CONTRACTOR COLLEGE CONTRACTOR COLLEGE COLLEG	LAY LOA  LO/S/GM  MUMBER  OF PLANTS  30	TABLE A-313 TAKE SUMMARY  M  11: 44.70  ORY MEIGHT (GM/PLANT)	20.000  1 WHEAT  COUNTING ORY HEIGHT (GRAMS)  3.3571 1.3706	21.447  INTAINER NU TE PLANTED TE EMERGED SPECIFIC ACTIVITY (D/S/GN) 348.289 211.673	2.532-0  MBEA: 313 : 179 : 177  ASU 4-118-00 2-508-00	
31216 31219 GILI ADIONU MITIAL MMPLE MMBER 11301 11302	GRAIN GRAIN  HANFORD  GLIDE: SOIL AT PARY	SANDY ( SANDY ( SANDY ( SACE (DAYS))	PLANT UP LAY LOA LO/S/GM MUMBER GP PLANTS 30	TABLE A-313 TAKE SUMMARY M DRY MEJGHT (GM/PLANT)	20.000  1. WHEAT.  COUNTING DRY MEIGHT (GRAMS)  3.3571	21.447  INTAINER NU ITE PLANTED  SPECIFIC ACTIVITY (D/S/GN)  348.289 211.873 224.696	2,532-0  MREA: 313  : 179  : 177  AS':  4-118-00 2.508+00 2.608+00	
31216 31219 GIL: ADIGHU MITIAL UMBER 11301 11302 11303	GRAIN GRAIN HANFORD GLIDE: SDIL AT PARY SHOOT SHOOT STALK LEAVES	SANDY CARREST STATE OF THE SANDY CARREST STATE OF THE SANDY CARREST STATE OF THE SANDY CARREST CARREST SANDY CARREST	LAY LOA  LO/S/GM  MUMBER  OF  PLANTS  30  14  10  10	TABLE A-313 TAKE SUMMARY  M  11: 44.70  ORY MEIGHT (GM/PLANT)  0.0979 0.0275 C.1208 0.0831	20.000  1. WHEAY.  COUNTING DRY HEIGHT (GRAMS)  3.3571 1.3706 0.5748 1.2079 0.6306	21.447  INTAINER NU TE PLANTED TE PLANTED TE EMERGED  SPECIFIC ACTIVITY (D/S/GN)  348.289 211.073 226.696 95.277 51.132	2.532-0  MBER: 313  : 179  : 177  ASU  4.118-00 2.508-00 2.508-00 1.128-00 4.048-01	
31216 31219 31219 31219 31219 31214 31214 31214 31214 31214 31214 31214 31214 31214 31214 31214 31214 31214 31214 31214 31214	GRAIN  GRAIN  HANFORD  GLIDE:  SOIL AT  PLANT  PART  SHOOT  STALK  LEAVES  HEAD  HEAD	SANDY CARE CONTROL OF THE SANDY CARE CARE CARE CARE CARE CARE CARE CARE	DLANT UP LAY LOA  LO/S/GM MUMBER OF PLANTS  30 14 10 10	TABLE A-313  TAKE SUMMARY  M  ORY MEJGHT (GM/PLANT)  0.0119 0.0979 0.0275 C.1208 0.0431 0.1682	20.000  1. WHEAT.  COUNTING ORY MEIGHT (GRAMS)  3.3571 1.3706 0.5748 1.2079 0.6306 1.6020	21.447  INTAINER NU TE PLANTED  TE EMERGED  SPECIFIC ACTIVITY (D/S/GN)  348.289 211.873 226.696 95.277 51.132 34.305	#BEA: 313 : 179 : 177  ASU  4.118+00 2.508+00 1.128+00 4.049-01 4.058-01	
31216 31219 31219 31219 31219 31219 31211 3121	GRAIN  ORAIN  HANFORD  GLIDE:  SOIL AT  PARY  SHOOT  SHOOT  STALK  LEAVES  HEAD  HEAD  LEAVES	99 204 Cro 28-29 2114114 AGE (DAYS) 22 34 49 49 65 65	PLANT UP LAY LOA LO/S/GM MUMBER GF PLANTS 30 14 10 10 10 10	TABLE A-313  TAKE SUMMARY  B  CRY MEJGHT (GM/PLANT)  C.1119 C.0979 G.0275 C.1208 C.0431 C.1682 C.1487 C.0533	20.000  1. WHEAT.  COUNTING DRY HEIGHT (GRAMS)  3.3571 1.3706 0.5748 1.2079 0.6306 1.6820 1.4866 0.5332	21.447  INTAINER NU TE PLANTED TE PLANTED TE EHERGED  SPECIFIC ACTIVITY (D/S/GN)  348.289 211.873 226.696 95.27 91.132 34.305 210.172	2.532-0  MBER: 313  : 179  : 177  ASU  4.118+00 2.508+00 2.108-00 4.043-01 4.058-01 9.628-01 9.628-00	
31216 31219 31219 31219 31219 31211 3121	GRAIN  GRAIN  HANFORD  GLIDE:  SOIL AT  PART  SHOOT  STALK  LEAVES  HEAD  STALK  LEAVES  HEAD  STALK  LEAVES	99 20d Cro 34NDY C 3R- 42 CTIVITY AGE (DAVS) 22 36 49 49 49 65 65 65 67	DLANT UP LANT	TABLE A-313  TAKE SUMMARY  M  ORY MEJGHT (GM/PLANT)  C.0179 C.0275 C.1208 O.0431 C.1682 C.1487 C.0533 C.2435	20.000  1. WHEAT.  COUNTING ORY HEIGHT (GRAMS)  3.3571 1.3706 0.5748 1.2079 0.6306 1.6020 1.4866 0.5332 2.4349	21.447  INTAINER NU ITE PLANTED  IVE EMERGED  SPECIFIC ACTIVITY (D/S/GN)  348.289 211.873 224.696 95.277 51.132 34.305 81.495 210.172 36.057	2.532-0  MBEA: 313  179  177  ASU  4.118+00 2.508+00 1.128+00 4.058-01 4.058-01 9.628-01 2.688+00	
31216 31219 31219 31219 31219 31219 31219 31302 31304 31302 31308 31308 31310	GRAIN  GRAIN  HANFORD  GLIDE:  SOIL AT  PARY  SHOOT  SHOOT  STALK  LEAVES  HEAD  HEAD  LEAVES	99 204 Cro 28-29 2114114 AGE (DAYS) 22 34 49 49 65 65	PLANT UP LAY LOA LO/S/GM MUMBER GF PLANTS 30 14 10 10 10 10	TABLE A-313  TAKE SUMMARY  M  11: 44.70  ORY MEIGHT (GM/PLANT)  C.1119 C.0979 C.0275 C.1208 O.0631 C.1682 C.1487 O.0533 C.2435 C.1126	20.000  1. WHEAT.  COUNTING DRY HEIGHT (GRAMS)  3.3571 1.3706 0.5748 1.2079 0.6306 1.6820 1.4866 0.5332	21.447  INTAINER NU TE PLANTED TE PLANTED TE EHERGED  SPECIFIC ACTIVITY (D/S/GN)  348.289 211.873 226.696 95.27 91.132 34.305 210.172	2.532-0 2.532-0 4.118+00 2.508+00 2.508+00 4.052-01 4.052-01 2.688+00 4.288+00 4.288-01	
31216 31219 31219 31219 31219 31211 31211 31212 31212 31212 31212 31212 31212 31212 31212 31212 31212 31212 31212 31212 31212 31212 31212 31212	GRAIN  GRAIN  HANFORD  GLIDE:  SOIL AT  PLANT  PART  SHOOT  STALK  LEAVES  HEAD	99 204 Cro 34NDY C 38- 82 CILVITY AGE (DAVS) 22 36 49 49 49 65 65 65 78 78 78	DLANT UP  LAY LOA  LO/S/GM  MUMBER  OF  PLANTS  30  14  10  10  10  10  10  10  10  10  1	TABLE A-313  TAKE SUMMARY  M  DRY MEJGHT (GM/PLANT)  G.1119 G.0979 G.05/5 C.1208 G.0431 G.1682 G.1687 G.0593 G.2435 G.1126 G.0326 G.0326 G.0326 G.0326 G.0364	20.000  1 WHEAT  COUNTING ORY HEIGHT (GRAMS)  3.3571 1.3700 0.5748 1.2079 0.6306 1.0820 1.4866 0.5332 2.4349 1.1257 0.3255 8.9630	21.447  INTAINER NU TE PLANTED TE PLANTED TE EMERGED  SPECIFIC ACTIVITY (D/S/GN)  348.289 211.873 226.696 75.277 51.132 34.305 81.495 210.172 129.871 201.524 84.160	2.532-0  MBER: 313  : 179  : 177  ASU  4.118+00 2.508+00 2.508+00 4.042-01 4.058-01 9.042-01 1.538+00 4.248-01 1.538+00 9.948-01	
31216 31219 31219 31219 31211 31211 31211 31211 31211 31211 31211 31211 31211 31211 31211 31211	GRAIN  GRAIN  HANFORD  GLIDE:  SOIL AN  PLANT  PART  SHOOT  STOLK  LEAVES  HEAD  STALK  LEAVES	99 2nd Cro SANDY ( SR- 82 CILYLIY AGE (DAYS) 22 36 49 49 65 65 78 78	CLAY LOA  LOAS/GM  MUMBER  GP PLANTS  30  10  10  10  10  10  10  10  10  10	TABLE A-313  TAKE SUMMARY  M  11: 44.70  GRY MEIGHT (GR/PLANT)  C.1119 C.0575 C.1208 O.0637 C.1682 C.1487 O.0533 C.2435 O.1126 D.0326 O.0964 O.0838	20.000  1 WHEAT  COUNTING ORY MEIGHT (GRAMS)  3.3571 1.3706 0.5748 1.2079 0.6306 0.5332 2.4349 1.1257 0.3255 0.9630	21.447  INTAINER NU ITE PLANTED  ITE EMERGED  SPECIFIC ACTIVITY (D/S/GN)  348.289 211.873 224.496 75.277 51.132 34.305 210.172 36.057 129.871 201.524 84.160 164.323	2.532-0 2.532-0 2.532-0 4.118+00 2.508+00 2.508+00 4.052-01 2.628-01 1.533+00 2.388+00 9.442-01 1.538+00	
31216 31219 31219 31219 31219 31211 31211 31302 31304 31303 31309 31310 31310 31311 31313 31313 31313	GRAIN  GRAIN  HANFORD  GLIDE:  SOIL A:  PLANT  PART  SHOOT  STALK  LEAVES  HEAD  STALK  LEAVES	99 204 Cro 34NDY C 38- 82 CILVITY AGE (DAVS) 22 36 49 49 65 65 78 78 78 79 99	DLANT UP  LAY LOA  LO/S/GM  MUMBER  OF  PLANTS  30  14  10  10  10  10  10  10  10  10  1	TABLE A-313  TAKE SUMMARY  M  DRY MEJGHT (GM/PLANT)  G.1119 G.0979 G.05/5 C.1208 G.0431 G.1682 G.1687 G.0593 G.2435 G.1268 G.0684 G.0838 G.0182 G.0838 G.0182 G.0923	20.000  1 WHEAT  COUNTING ORY HEIGHT (GRAMS)  3.3571 1.3706 0.5748 1.2079 0.6306 1.6820 1.4866 0.5332 2.4349 1.1257 0.3255 8.9630 0.4881 0.1823 8.1229	21.447  INTAINER NU TE PLANTED TE PLANTED TE EMERGED  SPECIFIC ACTIVITY (D/S/GN)  348.289 211.873 224.696 75.277 51.132 34.305 81.495 210.172 36.057 129.871 201.524 84.160 164.323 136.995 29.625	2.532-0  MBER: 313  179  177  AS'  4-118-00 2.508-00 1.128-00 4.058-01 1.538-00 2.388-00 2.388-00 1.948-00 1.948-00 3.508-01	
31218 31219 GGL:	GRAIN  GRAIN  MANEGRO  GLIGE:  SOIL AN  PLANT  PART  SHOOT  SHOOT  SHOOT  SHOOT  SHOOT  STALK  LEAVES  HEAD  STALK  LEAVES	99 2nd Cro SANDY C 3R- 89 CILVITY AGE (DAYS) 22 36 49 49 65 65 78 78 78 99	PLANT UP  LAY LOA  LO/S/GM  MUMBER  OF  PLANTS  30  14  10  10  10  10  10  10  10  10  1	TABLE A-313  TAKE SUMMARY  M  ORY BEIGHT (GM/PLANT)  C.1119 C.0979 C.02/5 C.1208 C.0431 C.1682 C.1467 C.0533 C.2435 C.1126 C.0326 C.0644 C.0634 C.0162	20.000  1. WHEAT.  COUNTING DAY HEIGHT (GRAMS)  3.3571 1.3700 0.5748 1.2079 0.6306 1.6820 1.4866 0.5332 2.4349 1.1257 0.3255 8.9630 0.4881 0.1823	21.447  INTAINER NU TE PLANTED TYE EMERGED  SPECIFIC ACTIVITY (D/S/GM)  348.289 211.873 226.696 75.277 51.132 34.305 210.172 36.057 129.871 201.524 84.160 144.323 136.905	2.5320 MBER: 313 : 179 2.177 4.118+00 2.508+00 2.688+00 4.058-01 2.688+00 4.2	

TABLE A-315

		i	LANT.WE	CARE AVORAGE	1 TANATY		<del></del>
SCILL I	AMFORD	SANDY C	LAY LOA		CO	MTA INER NU	HBER: 315
RACIONU				DATE PLANTED: 179			
				11 84.70			
INITIAL	_3515B1	LLULLI.	Thypelia			TE EMPREED	I
			MIMBER		COUNTING SPECIFIC		
<u>sample.</u> Number	PA'4T	(DAYS)	PLANTS	COMPLANT!	(GRAMS)	(D/S/GM)	ASU
31501	LEAVES	. 12	2	1.0495	2.1390	1092.164	3-658+01
31502	STEM	22	2	0.3254	0.4512	2270.431	2.408+01
<u> 11501 -</u> 11504 -	LEAVES. STEM	36	<del>1</del>	4.5473 4.5477	6.5877	2714.962 1667.180	3.208+01 1.978+01
بويند	LEAVES STEN			21,0340	21.0340	2709-472	3.208+01
3150a 11547	PLOHER	49		22.4805	22.4805	1277.345 	1.518+01
31704	LEAVES	65	1	24.7094	24.7094	939.210	1.118+01
31509 31510	FLOHER	<u>65</u>	<u>-</u>	<u> </u>	4.6946	40.944	5.788+00 4.832-01
31511	LEAVES STEM	78	<del></del>	39.1940 57.3847	10.1047	790.428 330.457	9.338+00 4.008+00
31513	FLOWER		i_	0.9441	0.5661	91.416	1.088+00
31514	LEAVES	99		11,9276	6.0776	462.730	7.828+00
<del>31315</del>	PRUET		<del>-</del>	3.2994	7 <u>.9702</u> 3.2954	17.405	3-048+00 2-098-01
31517	PRELS			1.0015		15.Eli_	4-238-01
31516	PEAT -	112	1	4.2500	4.2500 3.4900	23.835	2.616-01 2.968-01
31520	FRUIT	112	1	4.1300	4.1300	19.575	2.318-01
31521 31522	FRUIT	112	<del></del>	3.4900	3.6900	28.037	3.318-01
31322	FRUIT	112	i_	5.9200	5.9200	8.534	1.014-01
<del></del>				TABLE A-316			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			PLANT_U	TABLE A-316			
		<del></del>	PLANT U	PTAKE SAMMAR	VA. TEMATO	ONTAINER NU	HAEP: 314
SOILI	HANFOPO	<del></del>	CLAY LO	PTAKE SAMMAR	II. TCMATO		
SOIL!	HANFOFO	SANDY SA- 85	CLAY LD	PTAKE SUMMARY	COLUMN CO	ONTAINER NU	: 179
SOIL: BACIGNU INITIAL	HANFOPO	SANGY SA- Q5	CLAY LO	TAKE SUMMARY	COUNTING	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC	179 1.177
SOIL!	HANFOFO	SANGY SA- Q5	CLAY LD/	TARE SUMMAR	COUNTING	ONTAINER NU ATE PLANTED ATE EMERGED	: 179
SOIL: MACIGNU INITIAL SAMPLE NUMBER	HANFOPO CLIDE: SCIL A PLANT PART	SANDY SR- Q5 CTIVITY AGE (DAYS)	LO/S/GI NUMBER DF PLANTS	PTAKE SUMMARY  AM  AII: 84.70  DRY MEIGHT  160949	COUNTING ORY MEIGHT (GRAMS)	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/GH)	1 179 1 177 ASU
SOIL: MACIGNU INITIAL SAMPLE NUMBER 31602	MANFOPO CLIDE: SCIL A PLANT PART LEAVES	SANDY SR- 65 CILVITY AGE (DAYS)	CLAY LO/S/GI	PTAKE SUMMARY  AM  DRY MEIGHT  (GN/PLANT)  1.0949  0.35681	COUNTING OR MEIGHT	SPECIFIC ACTIVITY (D/S/GH)	1177 1177 ASU 2.438+01 2.498+01
SOLLI RACIGNU INITIAL SAMPLE NUMBER 11401 31402 31403	PLANT PART LEAVES STEM	SANDY SR- 95 CILVITY (DAYS)	LO/S/GI NUMBER DF PLANTS	ORY MEIGHT (GN/PLANT)  1.0949 0.3681 4.0974	COUNTING ORY MEIGHT (GRAMS)  2.1978 0.7363 4.0316	ONTAINER NU ATE PLANTED ATE EMERGED 	3.432+01 2.498+01 3.4020+01 2.598+01
SOLLI BAGLIGAU LNLTIAL SAMPLE NUMBEP 11401 31402 31403 31403	PLANT PART LEAYES STEM LEAYES	SANCY SR- 85 CILVITY AGE (DAYS) 22 23 36 30	CLAY LO/	TAKE SUMMARY  AM	COUNTING ORY MEIGHT (GRAMS)  2.1898 0.7363 4.0318	SPECIFIC ACTIVITY STATE OF SPECIFIC ACTIVITY (D/S/GH) 2594-374 1059-310 2110-971 3030-374	3.438+01 2.498+01 3.408+01 2.508+01 3.588+01
SOIL1  BAGIGNU  LNITIAL  SAMPLE NUMBER  31603 31604 31605 31606 31606	HANFOPO GLIDE: SCIL A PLANT PART LEAVES STEM LEAVES STEM LEAVES STEM FLOWER	SANDY SR- 85 CIIVIIY  AGE (DAYS)  22 24 36 99 49	CLAY LD/	PTAKE SUMMARY  DRY MEIGHT (GM/PLANT)  1.0949 0.3681 4.0974 4.0300 15.0813 14.1174 0.4545	COUNTING  CRY MEIGHT  (GRAMS)  2.1818  0.7363  4.0418  4.8160 15.0813  14.7174 0.4465	SPECIFIC ACTIVITY (D/S/GH)  2704-858 2534-370 2110-971 1028-214-12 1028-214-12 1028-214-12 1028-214-12 1028-214-12 1028-214-12 1028-214-12 1028-214-12 1028-214-12 1028-214-12 1028-214-12 1028-214-12 1028-214-12 1028-214-12	3.432+01 2.498+01 3.408+01 2.508+01 2.508+01 2.178+01 1.028+01
SOIL1  RAEIGNU LNIYIAL  SAMPLE NUMBER  11401 31402 31404 91404 91406 31407 31407	HANFOPO CLIDE: SCIL A PART PART STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES	SANDY SR- 85 CIIVITY AGE (DAYS) 22 22 23 36 39 49 49 49	LO/S/GI	PTAKE SUMMARY  AM  PTAKE SUMMARY  AM  PTAKE SUMMARY  A4-70  A9-74  A-03-00   COUNTING ORY MEIGHT (GRAMS)  2.1898 0.7303 4.0218 4.8340 12.0118 14.7174 0.4355 25.5044	SPECIFIC ACTIVITY (D/S/GH)  2904.858 2334.379 2104.971 3030.374 1834.039 1834.039	ASU  2.998-01 2.998-01 2.998-01 2.998-01 2.178-01 1.028-01 1.789-01	
SOIL1  BAGIGNU  LNITIAL  SAMPLE NUMBER  31603 31604 31605 31606 31606	HANFOPO CLIDE: SCIL A PART PART LEAVES STEM LEAVES STEM FLOWES STEM FLOWES STEM FLOWES	SANDY SR- 95 CIIVITY AGE (DAYS) 22 23 36 39 49 49 49 49 49 49 49 49 49	CLAY LD/	PTAKE SUMMARY  DRY MEIGHT (GN/PLANT)  1.0949 0.3661 4.0360 15.0815 14.7174 0.4585 25.5894 40.2183	COUNTING OFF MEIGHT (GRAMS)  2.1878 0.7363 4.0478 14.7174 0.4383 25.3694 9.4183	2007ALHER NU ATE PLANTED ATE EMERGED SPECIFIC ACTIVITY (D/S/GH) 2904.858 2534.370 2010.210 2110.210 1034.019 1034.019 1034.019	3-418-01 2-999-01 3-608-01 3-508-01 3-508-01 1-028-01 1-799-01 1-108-01
SOILI BAEIGNU INITIAL SAPPLE NUMBEP JIAGI 316G2 JIAGI 316G3 JIAGI 316G9 JIAGI 316G9 JIAGI 316G9 JIAGI 316G9 JIAGI	PLANT  PLANT  PLANT  LEAVES  STEM LEAVES  FLOMAR  FLOMAR  FLOWER	SANCY  SR- 95  CIIVITY  Age (DAYS)  22 23 36 49 49 49 49 65 65 76	LO/S/GI	ORY MEIGHT (GR/PLANT)  1.0949 0.3061 4.0936 14.1174 0.4545 23.9644 4.0023 4.0023	COUNTING ORY MEIGHT (GRAMS)  2.1998 0.7343 4.0316 4.8340 12.04543 25.3644 9.4181 4.6023 11.6742	200.151 PLANTED ATE EMERGED ATE EMERGED (D/S/GH)  2906.258 2534.378 3036.310 2119.971 3036.310 1037.362 1037.362 404.276 222.2514	3-418-01 2-998-01 2-998-01 3-608-01 3-508-01 1-798-01 1-798-01 1-148-00 1-148-00 1-148-00
SOIL1  BACIGNU  LNITIAL  SAMPLE NUMBER  11401  31402  31403  31403  31403  31403  31403  31403  31403  31403  31403  31403  31403  31403  31403  31403  31403	PLANTOPO CLIDE: SCIL A PLANT PART  LEAYE: STEM LEAYE: STEM FLOWER FLOWER FLOWER FLOWER STEM FLOWER FLOWER FLOWER STEM	3ANDY 3R- 95 CIIVIIY AGE (DAYS) 22 22 23 49 49 49 49 49 49 49 49 49 49	LO/S/GI	PTAKE SUMMARY  DRY MEIGHT (GN/PLANT)  1.0949 0.3661 4.0976 4.9360 12.0815 14.1174 0.4545 25.3694 40.2183 4.0023 27.1442	COUNTING OF MEIGHT (GRAMS)  2.1898 0.7363 4.0418 4.7174 0.4545 25.5644 9.4188 4.6023 11.6742 11.2893	ONTAINER NU ATE PLANTED ATE EMERGED SPECIFIC (D/S/GH) 2904.858 2334.370 2019.971 3010.971 1034.019 1034.01	3.418+01 2.999+01 1.029+01 2.999+01 1.908+01 1.928+01 1.928+01 1.928+01 1.928+01 1.928+01 1.928+01 2.108+01 1.928+02 2.108+00
SOIL1  EAEIGNU LNLTIAL  SAMPLE NUMBEP  11401 31402 31403 31404 31409 31400 31401 31401 31402 31403 31403 31403 31403 31403 31403 31403 31403	PLANTOPO CLIDE: SCIL A PLANT PART  LEAVE: STEM LEAVE: LE	38- 95 CIIVIIY  AGR (DAYS)  22 23 36 99 49 49 53 61 78 78	LO/S/GI	DRY MEIGHT 14049 0.3681 4.0974 4.0976 15.0845 14.7174 0.4565 25.3694 4.0236 14.7174 0.4565 27.7144 4.7393 1.45631 4.7393 1.45631 4.7363	COUNTING ORY MEIGHY (GRAMS)  2.1898 0.7363 4.0416 4.7174 0.4555 25.3694 9.4181 4.6023 11.2893 1.4073	SPECIFIC ACTIVITY (D/S/GH)  2904.858 2534.370 2019.971 3020.859 103.850 103.85	3-418+01 2-998+01 3-608+01 3-508+01 3-568+01 1-028+01 1-028+01 1-108+00 3-248+00 2-108+00 2-108+00 2-108+00 2-108+00 2-108+00
SOIL1  RAEIGNU LNIYIAL  SAMPLE NUMBEP  31401 31402 31403 31404 31403 31406 31411 31412 31413 31413 31413	PLANT PART PART LEAVES STEM PLCMEF LEAVES	SANDY SR- 95 CIIVIIY AGE (DAYS) 22 23 36 39 49 49 49 49 49 49 49 49 49 4	LO/S/GI NUMBER DE PLANTS  2 1 1 1 1	PTAKE SUMMARY  AM  AM  PTAKE SUMMARY  AM  AM  AM  AM  AM  AM  AM  AM  AM  A	COUNTING OFF MEIGHT (GRAMS)  2.1878 0.7303 4.0478 4.8300 12.0812 14.7174 0.4345 25.5044 9.4183 4.6023 11.2843 1.2843 5.7922 8.0939	SPECIFIC ACTIVITY (D/S/GH) 394-469 139-88 1097-862 149-76 282-814 177-962 189-276 282-814 177-962 189-209 199-	3.432+01 2.999+01 3.609+01 2.990+01 2.990+01 3.508+01 1.798+01 1.198+01 1.198+00 2.108+00 2.188+00 2.08+00
SOIL1  BACIGNU  LNITIAL  SAMPLE NUMBER  11401  31402  31403	PLANT PART  PLANT PART  LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM PLCMER LEAVES FLCMER LEAVES FLCMER FRUST FRUST FRUST	SANDY SR- 05 CIIVIIY  AGC (DAYS)  22 22 36 30 49 49 49 49 49 49 49 49 49 49 49 49 49	CLAY LO/S/GI	DRY MEIGHT (GM/PLANT)  140949 0.3681 4.0276 4.03061 14.7174 0.4545 23.3494 4.023 27.7442 46.7393 1.4693 40.782 23.1836 6.5180 0.9137	COUNTING ORY MEIGHT (GRAMS)  2.1898 0.7363 4.0418 4.8160 12.0813 14.7174 0.4543 25.5644 9.4023 11.6743 11.2693 12.093 2.7922 9.0996 2.5474 0.9137	SPECIFIC ACTIVITY (D/S/GH)  2704-858 2530-370 3059-310 2110-971 13020-975-103-017-902 140-370 170-003	3.412+01 2.492+01 1.402+01 2.592+01 1.502+01 1.722+01 1.722+01 1.1
SOIL1  BAEIGNU  LNITIAL  SAMPLE NUMBEP  11401  31402  31403  31403  31403  31403  31403  31403  31403  31404  31403  31403  31403  31404  31413  31414  31413	PLANT  PART  LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM PLOMER LEAVES STEM PROMER LEAVES STEM	SANCY  SR- 95 CIIVIIY  AGE CDAYS1  22 23 36 49 49 49 49 49 49 49 49 49 49 49 49 49	CLAY LD/ LO/S/GI NUMBER DF PLANTS  2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PTAKE SUMMARY  DRY MEIGHT (GN/PLANT)  1.0949 0.3661 4.0360 15.0815 14.1174 0.4565 27.1442 44.7393 4.0023 1.6693 4.07822 21.8180 0.9137 3.3900	COUNTING QRY MEIGHT (GRAMS)  2.1878 0.7363 4.8360 12.0815 4.7174 0.4565 25.5644 9.4183 4.6023 11.2893 1.4033 5.7922 9.0756 2.5674 0.9137 3.3900	200 ATE PLANTED ATE PLANTED ATE EMERGED ATE EMERGED ATE EMERGED ATE EMERGED ATE	3-93-01 2-99-01 3-93-01 2-99-01 3-93-01 2-173-01 1-73-01 1-73-01 1-148-00 2-108-00 2-118-01 7-23-01 7-23-01 7-23-01 5-373-01 5-018-01
SOIL1  RAEIGNU  LNIYIAL  SAMPLE NUMBER  11401 31402 31402 31402 31403 31406 31411 31614 31614 31614 31614 31616 31616 31616 31616 31616 31616 31616 31616 31616 31616 31616 31616 31616 31616 31616 31616 31616 31616 31616	PLANT PART  PART  LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM LEAVES STEM PLOWER LEAVES STEM PLOWER PLOWER PRUST PRU	SANDY SR- 05 CIIVITY  AGE (DAYS)  22 24 34 36 39 49 49 49 49 49 49 49 49 49 49 49 49 49	CLAY LO/S/GI	PTAKE SUMMARY  AM  AM  AM  AM  AM  AM  AM  AM  AM  A	COUNTING OPY MEIGHT (GRAMS)  2.1878 0.7303 4.0478 4.8340 14.7174 0.4545 25.5604 9.4183 4.6073 1.4093 5.7922 8.0996 2.5474 0.9117 3.3900 6.91500 3.2900	SPECIFIC ACTIVITY (D/S/GM)  2704.858 2534-370 1059.810 2110-971 1029.810 2110-971 1029.876 1077.852 104-370 1705.083 14-401 15-459 42-419 34-138 13-080	3.432-01 2.498-01 2.498-01 2.508-01 2.378-01 2.178-01 1.028-01 1.148-00 2.188-00 2.188-00 2.188-00 2.188-00 2.188-00 3.248-00 2.188-00 3.248-00 3.248-00 3.248-00 3.248-00 3.248-00 3.248-00 1.118-01 1.128-01 1.128-01 1.128-01
SOIL1  EACIGNU  LNLTIAL  LNLTI	PLANTOPO CLIDE: SCIL A PLANT PART  LEAVE: STEM LEAVE: STEM LEAVE: STEM FLOWER LEAVE: STEM FLOWER FLOWER FLOWER FLOWER FLOWER FLOWER FLOWER FLOWER FLOWER FROM THE TOWN FRO	38- 95 CIIVIIY  AGE (DAYS)  22 23 36 49 49 49 49 49 49 49 49 49 49 49 49 49	CLAY LD/ LD/S/GI  NUMBER OF PLANTS  2 1 1 1 1 1 1 1 1 1 1	PTAKE SUMMARY  ORY MEIGHT (GM/PLANT)  1.0949 0.3661 4.0474 4.0360 15.0815 14.1174 0.4565 23.3494 40.2183 4.0023 27.1442 44.7393 1.4503 1.4503 27.1492 46.7393 1.4503 3.3400 6.9150	COUNTING ORY MEIGHY (GRAMS)  2.1898 0.7363 4.0416 4.7174 0.4553 25.3694 9.4163 4.6023 11.4742 11.2893 1.4973 2.57922 8.0998 2.5474 0.9137 3.3900 6.1500	SPECIFIC ACTIVITY (D/S/GH)  2704.858 2334.370 2394.858 2334.370 2119-971 3020.974 1033-019 1037-842 94-276 282.914 177.982 144.370 1703.003 942.091 61.401 52.459 42.419	3-938-01 2-998-01 3-938-01 2-998-01 3-938-01 2-178-01 1-108-01 1-108-01 1-108-01 1-108-01 1-108-01 1-118-01 7-293-01 5-018-01 5-018-01

TABLE A-317

			Plant_up	TAKE SUPPARY	: ICMATO		
\$CIL:	HANFORD	SANDY	CLAY LOA	<u> </u>		NTAINER NU	MAER: 317
RADICNU	CLIDE:	SR- 85			0.6	TE PLANTED	: 179
INITIAL	SCIL_A	TITATIA	LC/S/GH	14.70		TE EMPREED	J.177
			NUMBER	<del></del> .	CCUNTING	SPECIFIC	
SAMPLE	_PLANT	AGE	OF	ORY MEIGHT	DRY MEIGHT	ACTIVITY	<u>&amp;\$\</u>
NUMBER	PART	(DAYS)	PLANTS	(GM/PLANT)	(GRANS)	1D/S/GH1	
31701	LEAVES	22	2	1.0320	2.0640	3120.475	3.488+01
31702	STEM	22	2	0.3571	0.7142	2605.555	3.044+01
31703	LEAVES	16	1		4.4567	473.940	1.038+01
31704	STEM	36	1	2.7219	2.7219	4014.041	4.748+01
11705	LEAVES	49		23,2375	23.2375	1404-044	1,464,01
31766	STEM	49	1	27.4590	16.8920	565,060	4.678+00
31707	FLGHER	49		0.7015	0.7015	151.561	4,202+00
11708	LEAVES	65	1	23.7608	23.7400	852.918	1.018+01
31709	STEM						4.234+00
31710	FLOWER	65	1	3.9563	3.9563	97.116	1.158+00
11711	LEAVES	70		<u>50.4191</u>	447691	481.930	5.714.00
31712	STEM	78	j	44.9143	4.7343	615.926	7.278+00
11711	FACLER	74	<u> </u>	2.1049	2.3049	_399.198_	4-712-00
31714	LEAVES	99	1	15.0605	4.5005	678.027	4.018+00
11715	STEK	99	<del>-</del>	9.4306	9-4366	5274171	6.168+00
31716	FRUIT	99	i	4.3432	4.3432	29.578	3.498-01
31717	PEELS	-112	<del>-</del>	0.5669	0-2469	60.248	7-128-01
31716	PEAT	112	į	2.7660	2.7800	24.244	2.948-01
31719	FRUIT.	<u> </u>	<del></del>	4,5200	4-5200	19.560	-2-318-01
31720	FRUIT	112	į	3.3100	3.3100	44.744	5.282-01
31721	_FAULT .	_112	·	4.0200	4-0200	16.579	1.963-01
31722	FRUIT	112	1	2.9200	2.9200	5.458	7.034-02
31723	FRUIT		<u>_</u>	5.1500	5.1500	35.427	4-183-01

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EXPERIMENTAL INVESTIGATION OF PLANT UPTAKE CONTABINATION FACTORS, by James D. Sartor, Parela G. Kruzic, William B. Lane, and James L. Mackin, 167 pp. September 1968, UNCLASSIFIED

SRI Project No. NU-6502, Contract No. NOC228-67-C-203f, OCD Work Unit No. 31438 The uptake of four radionuclides (Sr-85, Ku-106, Cs-137, and Ce-144) was measured for four plants (wheat, tomatoes, corn and potatoes) grown in four different soil types (sandy loam, sandy clay loam, silty clay and clay). Plants very grown in large soil contanners that allowed most of the root system to devolop under normal field conditions. Plant uptake for the uptake for various plant part-soil-radionuclide combinations at crop maturity showed that the agu values for Sr-85 were the largest in all instances, usually by an order of magnitude. The agu values for the edible portion of each plant were lowest in every case, and usually the leafy portions of the plants had the largest agu value.

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EXPERIMENTAL INVESTIGATION OF PLANT UPTAKE CONTAMINATION FACTORS, by James D. Sartor, Famela G. Kruzic, William B. Lane, and James L. Mackin, 1e7 pp, September 1968, UNCLASSIFIED

SRI Project No. NU-6502, Contract No. NG0228-67-C-2036, OCD Work that No. 31438

was measured four radionuclides (Sr-85, Ku-106, Cs-137, and Ce-144) was measured for four plants (wheat, tomatoes, corn and potatoes) grown in four different soil types (sandy loam, sanly clay loam, silty clay and clay). Plants were grown in large soil containers that allowed most of the root system to develop under normal field conditions. Plant uptake contamination factors (a<sub>SU</sub>) were calculated for each sample harvested. Comparisons of the uptake for various plant part-s<sub>-1</sub>-radionuclide combinations at crop maturity showed that the a<sub>SU</sub> values for Sr-85 were the largest in all instances, usually by an order of magnitude. The a<sub>SU</sub> values for the edible portion of each plant were locest in every case, and usually the leafy portions of the plants had the largest a<sub>SU</sub> value.

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EXPERIMENTAL INVESTIGATION OF PLANT UFTAKE CONTABINATION FICTORS. by James D. Sartor, Pamela G. Kruzic, William B. Late, and James L. Mackin, 167 pp. September 1968, UNCLASSIFIED

ERI Project No. MU-6502, Contract No. NOO228-67-C-2336, OCH Work Unit No. 31438 The uptake of four radionuclides (Sr-85, Ru-106, Cs-137, and Ce-144) was measured for four plants (wheat, towatees, corn and polatices) grown in four different soil types (saidy loam, sandy clav loam, silty clay and clay). Plants were grown in larges soil containers that allowed most of the root system to develop under normal field corditions. Plant uptake contamination factors (agl) were calculated for each sample harvested. Comparisons of the uptake for various plant part-coil-radionalide combinations at crop maturity showed that the agg values for Sr-85 were the largest in all instances, usually by an order of magnitude. The agg values for the edible portion of each plant were lowest in every case, and usually the leafy portions of the plants had the largest a sy value.

STANFORD RESEARCH INSTITUTE, Menlo Park, California

EXPERIMENTAL INVESTIGATION OF PLANT UPTAKE CONTAMINATION FICTORS, by James D. Sartor, Pamela G. Kruzic, William B. Lane, and James L. Mackin, 167 pp, September 1968, UNCLASSIFIED

SRI Project No. MU-6502, Contract No. N00228-67-C-2036, OCH Work Ubit No. 31438 The uptake of four radionuclides (Sr-85, Ru-106, Cs-137, at d Ce-144) was measured for four plants (wheat, tomatees, corn and poistoes) grown in four different soil types (sandy loam, sandy clay loam, silty clay and clay). Plants were grown in large soil contains that allowed most of the root system to develop under normal field conditions. Plant uptake contamination factors (agu) were calculated for each sample harvested. Comparisons of the uptake for various plant part-soil-radionaclide combinations of the uptake for various plant the rate of Sr-85 were the largest in all instances, usually by an order of magnitude. The agu values for the edible portion of each plant were lowest in every case, and usually the icety portions of the plants had the largest a grown walls.

## EXPERIMENTAL INVESTIGATION OF PLANT UPTAKE CONTAMINATION FACTORS

by

James D. Sartor, Pamela G. Kruzic, William B. Lane and James L. Mackin

Stanford Research Institute

September 1968

Prepared for

Office of Civil Defense
Office of the Secretary of the Army
Washington, D.C. 20310

Contract NO0228-67-C-2036 OCD Work Unit No. 3143B

## DETACHABLE SUMMARY

This report describes the results of experiments conducted for the purposes of evaluating the uptake of selected fission product radio-nuclides through their root systems, and for evaluating the dependence of the contamination factors on such parameters as plant type, soil type, plant age, soil nutrients, and fallout solubility. It was also necessary to correlate the measured plant uptake contamination factors with soil characteristics for subsequent application in mathematical root uptake contamination models.

The approach taken followed earlier work in which plants were grown in large containers under conditions designed to reproduce, as closely as possible, the growth of food crops under actual field conditions. In addition, during the current work, a limited number of field tests were conducted to test the hypothesis that the large containers used provided a realistic simulation of an actual environment. Primary consideration was given to the study of radiostrontium with crops also grown in Cs-137, Ru-106 and Ce-144 soil containers which were available from previous experiments. The farmland plots were contaminated only with radiostrontium.

Test soils included sand, loam and clay soils from previous work and two additional soils representing widely distributed California agricultural soils. The crops studied were wheat, tomatoes, corn and potatoes.

Sampling started as soon as the plants sprouted and continued at frequent intervals depending on growth characteristics of the plant. Plant uptake contamination factors (a<sub>SU</sub>) were calculated for each of the samples harvested. Comparisons of the uptake for various plant part-soil-radionuclide combinations at crop maturity showed that the a<sub>SU</sub> values for Sr-85 were the largest in all instances, usually by an order of magnitude. The a<sub>SU</sub> values for Cs-137, Ru-106, and Ce-144 showed no consistent pattern and were distributed randomly high and low among the plant part-soil combinations. The a<sub>SU</sub> values for the edible portion of each plant were lowest in every case, and usually the leafy portion of the plants had the largest a<sub>SU</sub> value. These general observations support and extend the results of previous experiments.

Only limited data were available for evaluating the effects of available calcium on radionuclide uptake but, taken with the results of previous work, supported the postulated decrease in uptake in a manner approximately inversely proportional to the exchangeable calcium concentration in the soil. These results again emphasized the generally lower uptake values observed in the work as compared to literature values. The lower values in these experiments have been attributed to the growing of crops in large containers, as opposed to values based on literature data which are reported for experiments using small pot containers. The large soil containers allowed the plant root systems to develop in a manner closer to field conditions.

To test this assumption further some field studies were conducted in which crops were grown on small test plots at two different field locations. The data were not extensive enough to confirm the validity of the large

container approach but were in sufficiently good agreement to support the continuing application of the large container data to estimations of postattack food contamination levels. As part of the field studies, a limited number of additional experiments were conducted to compare measured a values for various methods of mixing the contaminant with the soil and also to compare the results obtained by applying the contaminant in normal particle form and also as a solution. In all cases no significant differences were found.

By far the largest changes in  $a_{SU}$  values were produced when the availability of the radionuclides for uptake was reduced by thermal pretreatment of the fallout simulant. The results verified the previous reductions in  $a_{SU}$  values for wheat by as much as a factor of 10. In the present work the observations were extended to include the three additional crops of tomatoes, corn and potatoes and similar reductions in  $a_{SU}$  values were found.

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The uptake of four radionuclides (Sr-85, for four plants (wheat, tomatoes, corn a types (sandy loam, sandy clay loam, silt large soil containers that allowed most field conditions. Plant uptake contamin each sample harvested. Comparisons of t radionuclide combinations at crop maturi were the largest in all instances, usual values for the edible portion of each plante leafy portions of the plants had the Additional experiments included measurem caused by available calcium levels, grow form and solubility.	nd potatoes y clay and of the root ation factor the uptake for ty showed the ly by an oreant were low largest a Siments of chains	grown in clay). Plasystem to ss (a su) wor various nat the a steer of magnets in every value.	four different soil ants were grown in develop under normal ere calculated for plant part-soil- values for Sr-85 nitude. The a su ery case, and usually dionuclide uptake

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